STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL	1. WELL NAME and NUMBER: Bonanza 1023-8D3DS
2. TYPE OF WORK: DRILL NEW WELL (●) REENTER P&A WELL ( ) DEEPEN WELL ( )	3. FIELD OR WILDCAT: NATURAL BUTTES
4. TYPE OF WELL: Gas Well Coalbed Methane Well: NO	5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. OPERATOR PHONE: 720 929-6587
8. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217	9. OPERATOR E-MAIL: mary.mondragon@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): UTU 37355	11. MINERAL OWNERSHIP: FEDERAL (●) INDIAN ( ) STATE ( ) FEE ( )
	12. SURFACE OWNERSHIP: FEDERAL (●) INDIAN ( ) STATE ( ) FEE ( )
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES (●) (Submit Commingling Application) NO ( )
	19. SLANT: VERTICAL ( ) DIRECTIONAL (●) HORIZONTAL ( )

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1110 FNL 1723 FWL	NENW	8	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	1075 FNL 545 FWL	NWNW	8	10.0 S	23.0 E	S
At Total Depth	1075 FNL 545 FWL	NWNW	8	10.0 S	23.0 E	S

21. COUNTY	22. DISTANCE TO NEAREST LEASE LINE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT
UINTAH	545	320
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 670	26. PROPOSED DEPTH: MD: 8715 TVD: 8400
27. ELEVATION - GROUND LEVEL: 5342	28. BOND NUMBER: WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: Permit #43-8496

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

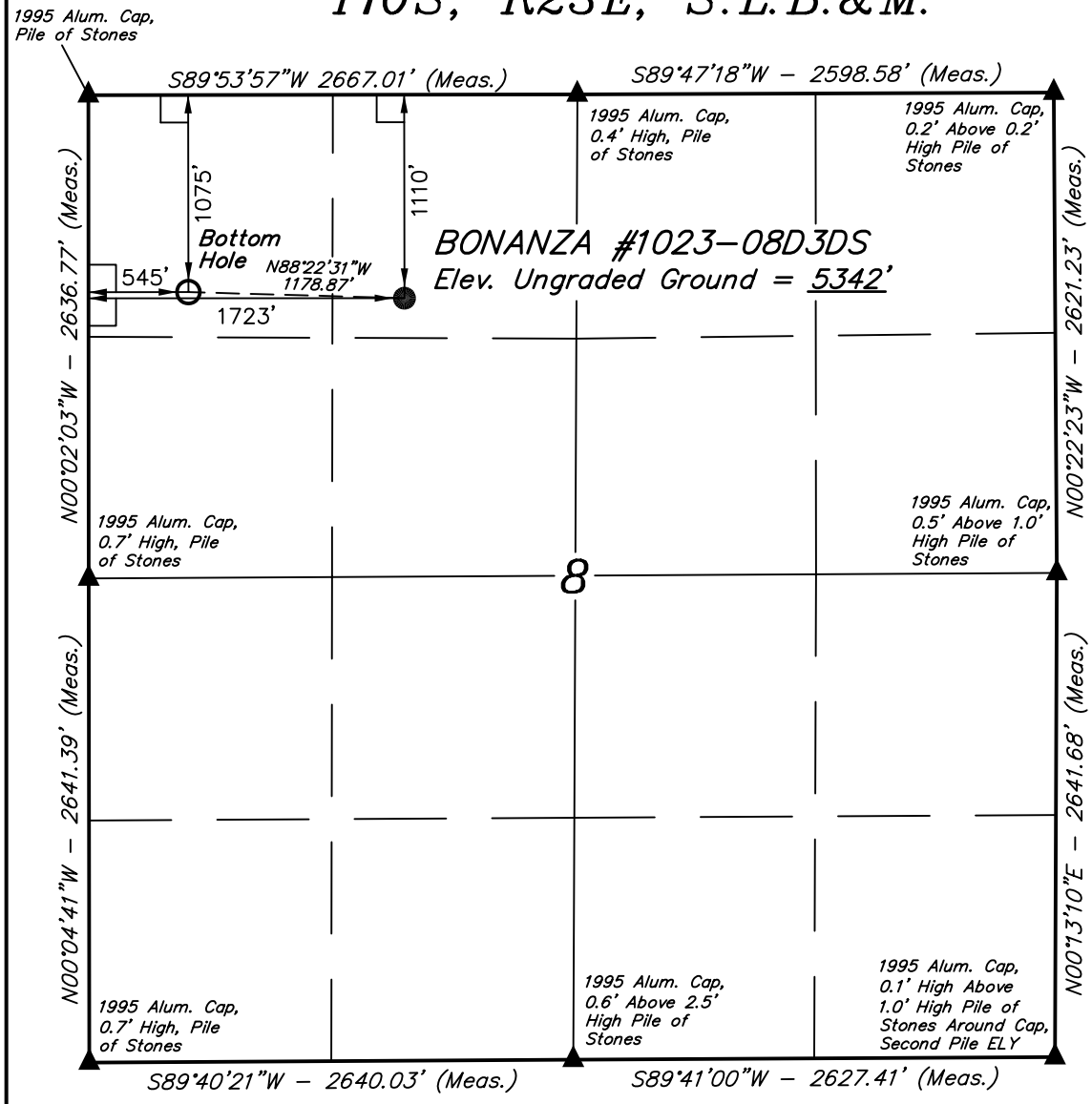
NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 06/19/2009	EMAIL danielle.piernot@anadarko.com

API NUMBER ASSIGNED	APPROVAL
43047505010000	 Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	4.5	0	8715		
Pipe	**Grade**	**Length**	**Weight**			
	Grade I-80 LT&C	8715	11.6			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	9.625	0	2175		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	2175	36.0			

T10S, R23E, S.L.B.&M.



Kerr–McGee Oil & Gas Onshore LP

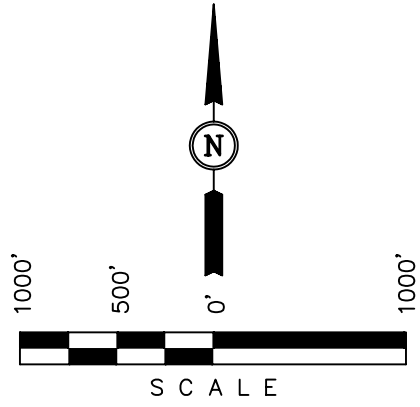
Well location, BONANZA #1023–08D3DS, located as shown in the NE 1/4 NW 1/4 of Section 8, T10S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (58 EAM) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 01–20–09 E.M.

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°58'03.89" (39.967747)	LATITUDE = 39°58'03.56" (39.967656)
LONGITUDE = 109°21'29.42" (109.358172)	LONGITUDE = 109°21'14.29" (109.353969)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°58'04.01" (39.967781)	LATITUDE = 39°58'03.68" (39.967689)
LONGITUDE = 109°21'26.98" (109.357494)	LONGITUDE = 109°21'11.85" (109.353292)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	12–19–08	12–31–08
PARTY D.K. J.R. E.M.	**REFERENCES** G.L.O. PLAT	
WEATHER COOL	**FILE** Kerr–McGee Oil & Gas Onshore LP	

'API Well No: 43047505010000'

'APIWellNo:43047505010000'

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: Bonanza 1023-8C Pad
Well: Bonanza 1023-08D3DS
Wellbore: OH
Design: Plan #1

Kerr McGee Oil and Gas Onshore LP

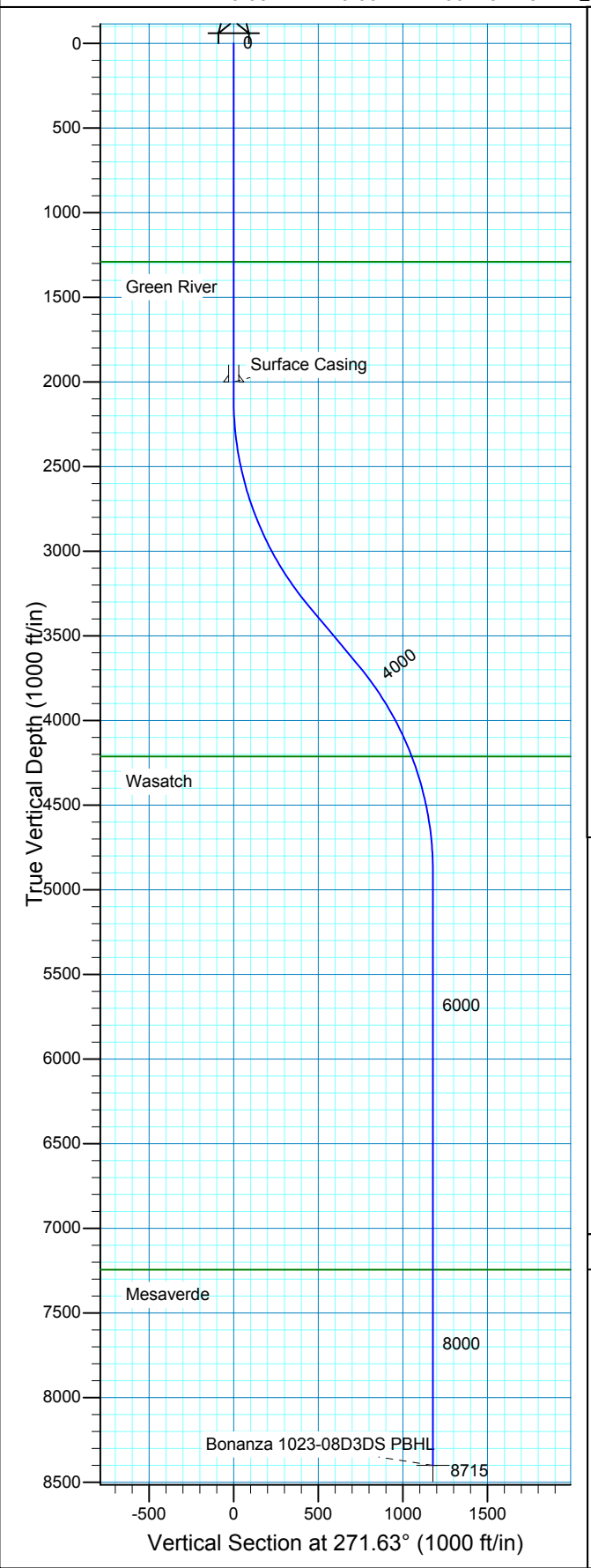
Azimuths to True North
Magnetic North: 11.29°

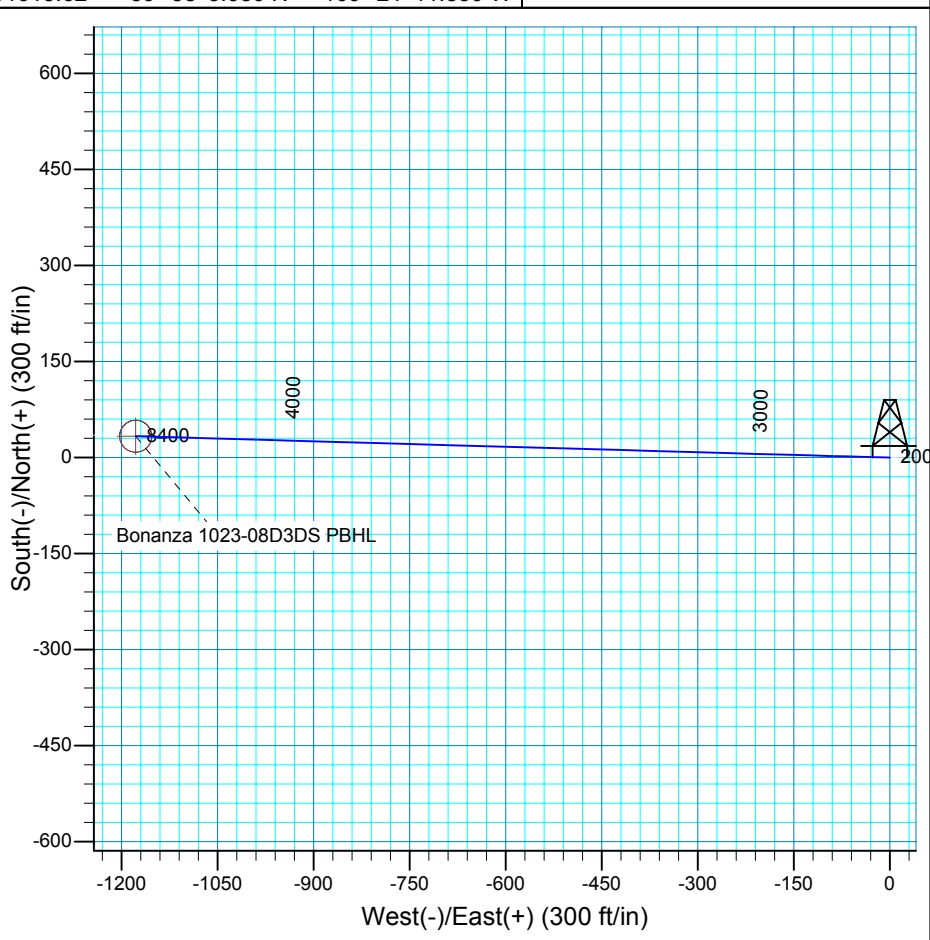
Magnetic Field
Strength: 52584.6snT
Dip Angle: 65.94°
Date: 2009/02/23
Model: IGRF2005-10

WELL DETAILS: Bonanza 1023-08D3DS

GL 5341' & RKB 18' @ 5359.00ft 5341.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	602497.23	2601615.62	39° 58' 3.680 N	109° 21' 11.850 W





Plan: Plan #1 (Bonanza 1023-08D3DS/OH)

Created By: Julie Cruse Date: 2009-03-05

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302
Location: Sec 8 T6S R23E
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	
3433.33	40.00	271.63	3327.63	12.67	-446.64	3.00	271.63	446.82	
3876.35	40.00	271.63	3667.00	20.75	-731.29	0.00	0.00	731.59	
5209.68	0.00	0.00	4894.64	33.42	-1177.93	3.00	180.00	1178.41	
8715.04	0.00	0.00	8400.00	33.42	-1177.93	0.00	0.00	1178.41	Bonanza 1023-08D3DS PBHL

’APIWellNo:43047505010000’

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT NAD27
Bonanza 1023-8C Pad
Bonanza 1023-08D3DS
OH

Plan: Plan #1

Standard Planning Report

05 March, 2009

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling
Planning Report

Database:	EDM 2003.16 Multi User DB	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Site:	Bonanza 1023-8C Pad	**North Reference:**	True
Well:	Bonanza 1023-08D3DS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project Uintah County, UT NAD27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site Bonanza 1023-8C Pad, Sec 8 T6S R23E

Site Position:		**Northing:**	602,472.79 ft	**Latitude:**	39° 58' 3.440 N
From:	Lat/Long	**Easting:**	2,601,609.19 ft	**Longitude:**	109° 21' 11.940 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.38 °

Well Bonanza 1023-08D3DS, 1110' FNL 1723' FWL

Well Position	**+N/-S**	0.00 ft	**Northing:**	602,497.23 ft	**Latitude:**	39° 58' 3.680 N
	+E/-W	0.00 ft	**Easting:**	2,601,615.62 ft	**Longitude:**	109° 21' 11.850 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,341.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2009/02/23	11.29	65.94	52,585

Design Plan #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	271.63

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,433.33	40.00	271.63	3,327.63	12.67	-446.64	3.00	3.00	0.00	271.63	
3,876.35	40.00	271.63	3,667.00	20.75	-731.29	0.00	0.00	0.00	0.00	
5,209.68	0.00	0.00	4,894.64	33.42	-1,177.93	3.00	-3.00	0.00	180.00	
8,715.04	0.00	0.00	8,400.00	33.42	-1,177.93	0.00	0.00	0.00	0.00	Bonanza 1023-08D3[

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling
Planning Report

Database:	EDM 2003.16 Multi User DB	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Site:	Bonanza 1023-8C Pad	**North Reference:**	True
Well:	Bonanza 1023-08D3DS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,290.00	0.00	0.00	1,290.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface Casing									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	3.00	271.63	2,199.95	0.07	-2.62	2.62	3.00	3.00	0.00
2,300.00	6.00	271.63	2,299.63	0.30	-10.46	10.46	3.00	3.00	0.00
2,400.00	9.00	271.63	2,398.77	0.67	-23.50	23.51	3.00	3.00	0.00
2,500.00	12.00	271.63	2,497.08	1.18	-41.72	41.74	3.00	3.00	0.00
2,600.00	15.00	271.63	2,594.31	1.85	-65.05	65.08	3.00	3.00	0.00
2,700.00	18.00	271.63	2,690.18	2.65	-93.44	93.48	3.00	3.00	0.00
2,800.00	21.00	271.63	2,784.43	3.60	-126.80	126.85	3.00	3.00	0.00
2,900.00	24.00	271.63	2,876.81	4.68	-165.05	165.12	3.00	3.00	0.00
3,000.00	27.00	271.63	2,967.06	5.90	-208.08	208.16	3.00	3.00	0.00
3,100.00	30.00	271.63	3,054.93	7.26	-255.77	255.87	3.00	3.00	0.00
3,200.00	33.00	271.63	3,140.18	8.74	-307.99	308.12	3.00	3.00	0.00
3,300.00	36.00	271.63	3,222.59	10.34	-364.60	364.75	3.00	3.00	0.00
3,400.00	39.00	271.63	3,301.91	12.07	-425.45	425.62	3.00	3.00	0.00
3,433.33	40.00	271.63	3,327.63	12.67	-446.64	446.82	3.00	3.00	0.00
3,500.00	40.00	271.63	3,378.70	13.89	-489.48	489.67	0.00	0.00	0.00
3,600.00	40.00	271.63	3,455.31	15.71	-553.73	553.95	0.00	0.00	0.00
3,700.00	40.00	271.63	3,531.91	17.53	-617.98	618.23	0.00	0.00	0.00
3,800.00	40.00	271.63	3,608.52	19.36	-682.24	682.51	0.00	0.00	0.00
3,876.35	40.00	271.63	3,667.00	20.75	-731.29	731.59	0.00	0.00	0.00
3,900.00	39.29	271.63	3,685.22	21.18	-746.38	746.68	3.00	-3.00	0.00
4,000.00	36.29	271.63	3,764.23	22.91	-807.62	807.95	3.00	-3.00	0.00
4,100.00	33.29	271.63	3,846.35	24.53	-864.65	865.00	3.00	-3.00	0.00
4,200.00	30.29	271.63	3,931.34	26.03	-917.30	917.67	3.00	-3.00	0.00
4,300.00	27.29	271.63	4,018.96	27.39	-965.44	965.83	3.00	-3.00	0.00
4,400.00	24.29	271.63	4,108.99	28.63	-1,008.93	1,009.33	3.00	-3.00	0.00
4,500.00	21.29	271.63	4,201.18	29.72	-1,047.64	1,048.06	3.00	-3.00	0.00
4,511.60	20.94	271.63	4,212.00	29.84	-1,051.82	1,052.24	3.00	-3.00	0.00
Wasatch									

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling
Planning Report

Database:	EDM 2003.16 Multi User DB	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Site:	Bonanza 1023-8C Pad	**North Reference:**	True
Well:	Bonanza 1023-08D3DS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.00	18.29	271.63	4,295.26	30.68	-1,081.48	1,081.92	3.00	-3.00	0.00
4,700.00	15.29	271.63	4,390.98	31.50	-1,110.35	1,110.80	3.00	-3.00	0.00
4,800.00	12.29	271.63	4,488.09	32.18	-1,134.18	1,134.64	3.00	-3.00	0.00
4,900.00	9.29	271.63	4,586.31	32.71	-1,152.89	1,153.36	3.00	-3.00	0.00
5,000.00	6.29	271.63	4,685.38	33.09	-1,166.44	1,166.91	3.00	-3.00	0.00
5,100.00	3.29	271.63	4,785.02	33.33	-1,174.79	1,175.26	3.00	-3.00	0.00
5,200.00	0.29	271.63	4,884.96	33.42	-1,177.91	1,178.38	3.00	-3.00	0.00
5,209.68	0.00	0.00	4,894.64	33.42	-1,177.93	1,178.41	3.00	-3.00	0.00
5,300.00	0.00	0.00	4,984.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,400.00	0.00	0.00	5,084.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,500.00	0.00	0.00	5,184.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,600.00	0.00	0.00	5,284.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,700.00	0.00	0.00	5,384.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,800.00	0.00	0.00	5,484.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
5,900.00	0.00	0.00	5,584.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,000.00	0.00	0.00	5,684.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,100.00	0.00	0.00	5,784.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,200.00	0.00	0.00	5,884.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,300.00	0.00	0.00	5,984.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,400.00	0.00	0.00	6,084.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,500.00	0.00	0.00	6,184.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,600.00	0.00	0.00	6,284.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,700.00	0.00	0.00	6,384.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,800.00	0.00	0.00	6,484.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
6,900.00	0.00	0.00	6,584.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,000.00	0.00	0.00	6,684.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,100.00	0.00	0.00	6,784.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,200.00	0.00	0.00	6,884.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,300.00	0.00	0.00	6,984.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,400.00	0.00	0.00	7,084.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,500.00	0.00	0.00	7,184.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,559.04	0.00	0.00	7,244.00	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
Mesaverde									
7,600.00	0.00	0.00	7,284.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,700.00	0.00	0.00	7,384.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,800.00	0.00	0.00	7,484.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
7,900.00	0.00	0.00	7,584.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,000.00	0.00	0.00	7,684.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,100.00	0.00	0.00	7,784.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,200.00	0.00	0.00	7,884.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,300.00	0.00	0.00	7,984.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,400.00	0.00	0.00	8,084.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,500.00	0.00	0.00	8,184.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,600.00	0.00	0.00	8,284.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,700.00	0.00	0.00	8,384.96	33.42	-1,177.93	1,178.41	0.00	0.00	0.00
8,715.04	0.00	0.00	8,400.00	33.42	-1,177.93	1,178.41	0.00	0.00	0.00

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling
Planning Report

Database:	EDM 2003.16 Multi User DB	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Company:	Kerr McGee Oil and Gas Onshore LP	**TVD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Project:	Uintah County, UT NAD27	**MD Reference:**	GL 5341' & RKB 18' @ 5359.00ft
Site:	Bonanza 1023-8C Pad	**North Reference:**	True
Well:	Bonanza 1023-08D3DS	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Bonanza 1023-08D3DS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,400.00	33.42	-1,177.93	602,502.37	2,600,437.22	39° 58' 4.010 N	109° 21' 26.980 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
2,000.00	2,000.00	Surface Casing	9.625	13.500

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,290.00	1,290.00	Green River		0.00	
4,511.60	4,212.00	Wasatch		0.00	
7,559.04	7,244.00	Mesaverde		0.00	

Bonanza 1023-8D3DS
Pad: Bonanza 1023-8C
Surface: 1,110’ FNL, 1,723’ FWL (NE/4NW/4)
BHL: 1,075’ FNL 545’ FWL (NW/4NW/4)
Sec. 8 T10S R23E

Uintah, Utah
Mineral Lease: UTU37355

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,290’	
Birds Nest	1,484’	Water
Mahogany	1,976’	Water
Wasatch	4,212’	Gas
Mesaverde	6,307’	Gas
MVU2	7,244’	Gas
MVL1	7,773’	Gas
TVD	8,400’	
TD	8,715’	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8,715' TD, approximately equals 5,158 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,124 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

'APIWellNo:43047505010000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	June 15, 2009	
WELL NAME	**Bonanza 1023-8D3DS**		TD	8,400' TVD	8,715' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,341'
SURFACE LOCATION	NE/4 NW/4 1,110' FNL	1,723' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967656	Longitude: -109.353969		NAD 83	
BTM HOLE LOCATION	NW/4 NW/4 1,075' FNL	545' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967747	Longitude: -109.358172		NAD 83	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @ 1,290'

Top of Birds Nest @ 1,484

Mahogany @ 1,976

Preset f/ GL @ 2,175' MD

Note: 12.25" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @ 4,212'

Mud logging program TBD

Cased hole logging program from TD - surf csg

7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

Mverde @ 6,307' TVD

MVU2 @ 7,244' TVD

MVU1 @ 7,773' TVD

Max anticipated Mud required 11.6 ppg

TD @ 8,400' TVD 8,715' MD

'APIWellNo:43047505010000'

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,520	2,020	453,000
SURFACE	9-5/8"	0	to	2,175	36.00	J-55	LTC	1.05	1.98	7.36
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8,715	11.60	I-80	LTC	2.42	1.25	2.28

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,124 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,158 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,675'	65/35 Poz + 6% Gel + 10 pps gilsonite	400	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,705'	Premium Lite II + 3% KCl + 0.25 pps	350	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel	1,230	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

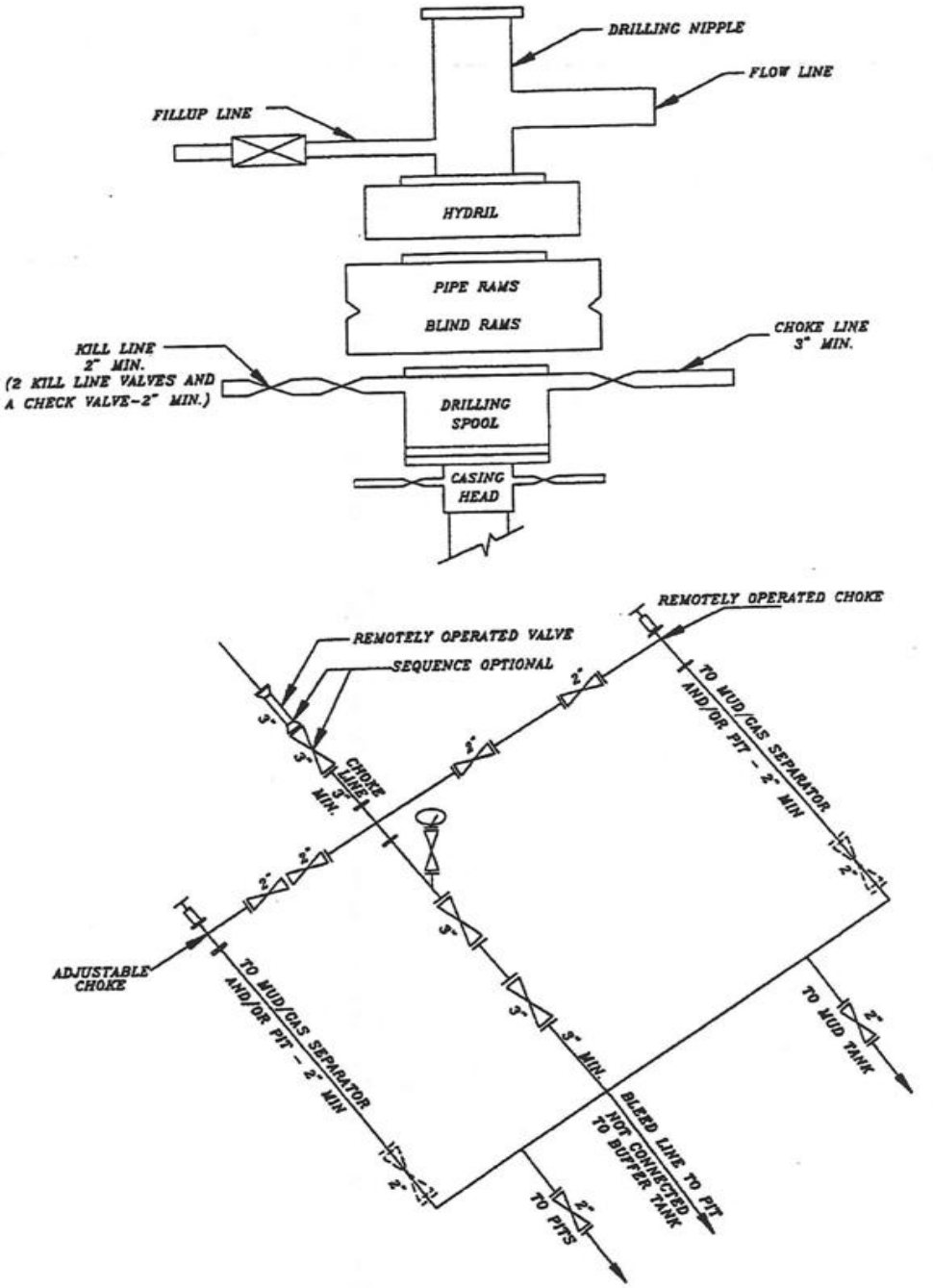
Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

EXHIBIT A
Bonanza 1023-8D3DS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

'APIWellNo:43047505010000'

Kerr-McGee Oil & Gas Onshore LP

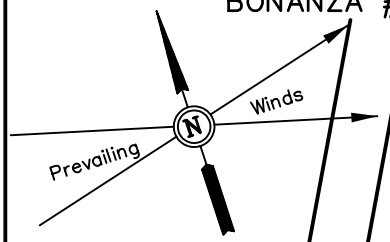
FIGURE #1

LOCATION LAYOUT FOR

BONANZA #1023-08C4CS, #1023-08D2DS, #1023-08D3DS & #1023-08F3DS

SECTION 8 , T10S, R23E, S.L.B.&M.
NE 1/4 NW 1/4

SCALE: 1" = 60'
DATE: 12-31-08
Drawn By: E.M.
REVISED: 01-20-09



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

EXISTING BONANZA #1023-07C
NAD 83 (SURFACE LOCATION)
LATITUDE = 39°58'03.32" (39.967589) LONGITUDE = 109°21'14.38" (109.353994)
NAD 27 (SURFACE LOCATION)
LATITUDE = 39°58'03.44" (39.967622) LONGITUDE = 109°21'11.94" (109.353317)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	18.126944 Az.	25.00'

Topsoil Stockpile
Sta. 5+00
Round Corners as Needed
Approx. Toe of Fill Slope
Existing Topsoil/Spoils To Be Moved
F-5.9' El. 35.2'
F-1.7' El. 39.4'
F-7.5' El. 33.6'
205'
(TO BOTTOM HOLE) N63°48'25"E 347.72'
CATWALK
PIPE TUBS
PIPE RACKS
ANCHOR
C-1.7' El. 42.8'
C-0.6' El. 41.7'
C-0.6' El. 41.7'
(TO BOTTOM HOLE) N58°34'58"W 1341.72'
FLARE PIT
Pit Topsoil
Blooie Line
Sta. 2+95
C-14.6' El. 40.7' (btm. pit)
70'
60'
10'
135'
TOILET
MUD TANKS
DOG HOUSE
D2DS
D3DS
C-2.0' El. 43.1'
C-0.5' El. 41.6'
20'
25'
EXISTING WELL #1023-08C
LIGHT PLANT
TRAILER
MUD TANKS
PUMP HOUSE
L1
BOILER
COMPRESSOR
C4CS
C-0.8' El. 41.9'
BOOSTER
WATER TANK
RESERVE PITS (15' Deep)
(TO BOTTOM HOLE) N88°22'31"W 1178.87'
ANCHOR
TRASH
F3DS
C-0.7' El. 41.8'
Sta. 1+70
ANCHOR
PROPANE STORAGE
295'
15' WIDE BENCH/DIKE
1 1/2:1 Slope
EXISTING ROAD
Total Pit Capacity W/2' of Freeboard = 28,060 Bbls. ±
Total Pit Volume = 7,280 Cu. Yds.
Reserve Pit Backfill & Spoils Stockpile
205'
Existing Topsoil/Spoils To Be Moved
(TO BOTTOM HOLE) S24°52'56"E 543.05'
C-22.2' El. 63.3'
C-2.7' El. 43.8'
F-7.8' El. 33.3'
C-16.3' El. 57.4'
C-20.6' El. 46.7' (btm. pit)
15' WIDE BENCH
Sta. 0+00
Approx. Top of Cut Slope
Topsoil Stockpile

Elev. Ungraded Ground At #1023-08D2DS Loc. Stake = 5341.7'
FINISHED GRADE ELEV. AT #1023-08D2DS LOC. STAKE = 5341.1'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

'APIWellNo:43047505010000'

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

LOCATION LAYOUT FOR

BONANZA #1023-08C4CS, #1023-08D2DS, #1023-08D3DS & #1023-08F3DS

SECTION 8 , T10S, R23E, S.L.B.&M.

NE 1/4 NW 1/4

X-Section Scale

1" = 40'

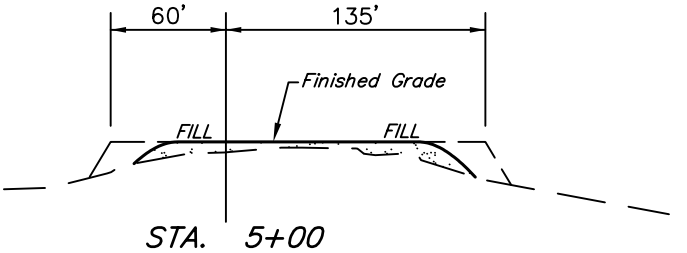
1" = 100'

DATE: 12-31-08

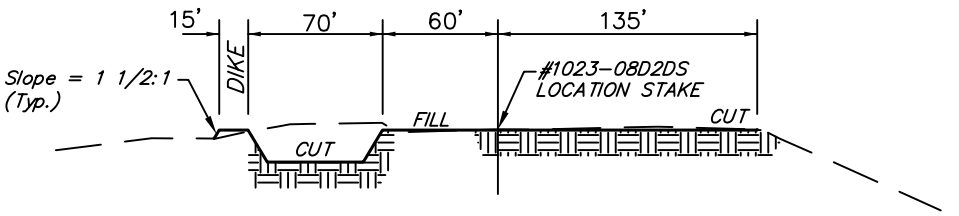
Drawn By: E.M.

REVISED: 01-20-09

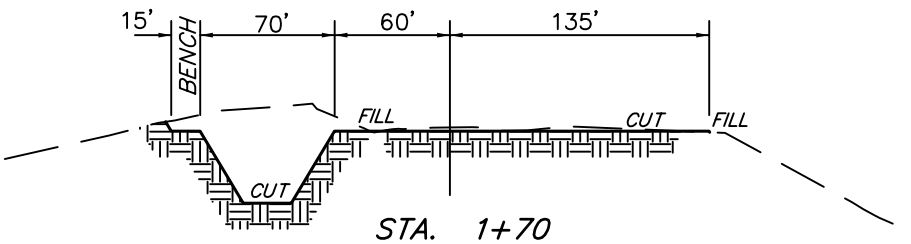
REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



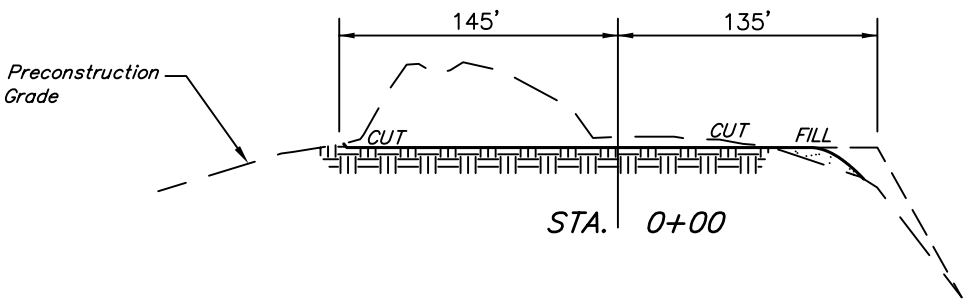
STA. 5+00



STA. 2+95



STA. 1+70



STA. 0+00

APPROXIMATE ACREAGES

PROPOSED EXPANSION = ±1.896 ACRES
EXISTING PAD = ±1.498 ACRES
TOTAL PROPOSED = ±3.394 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

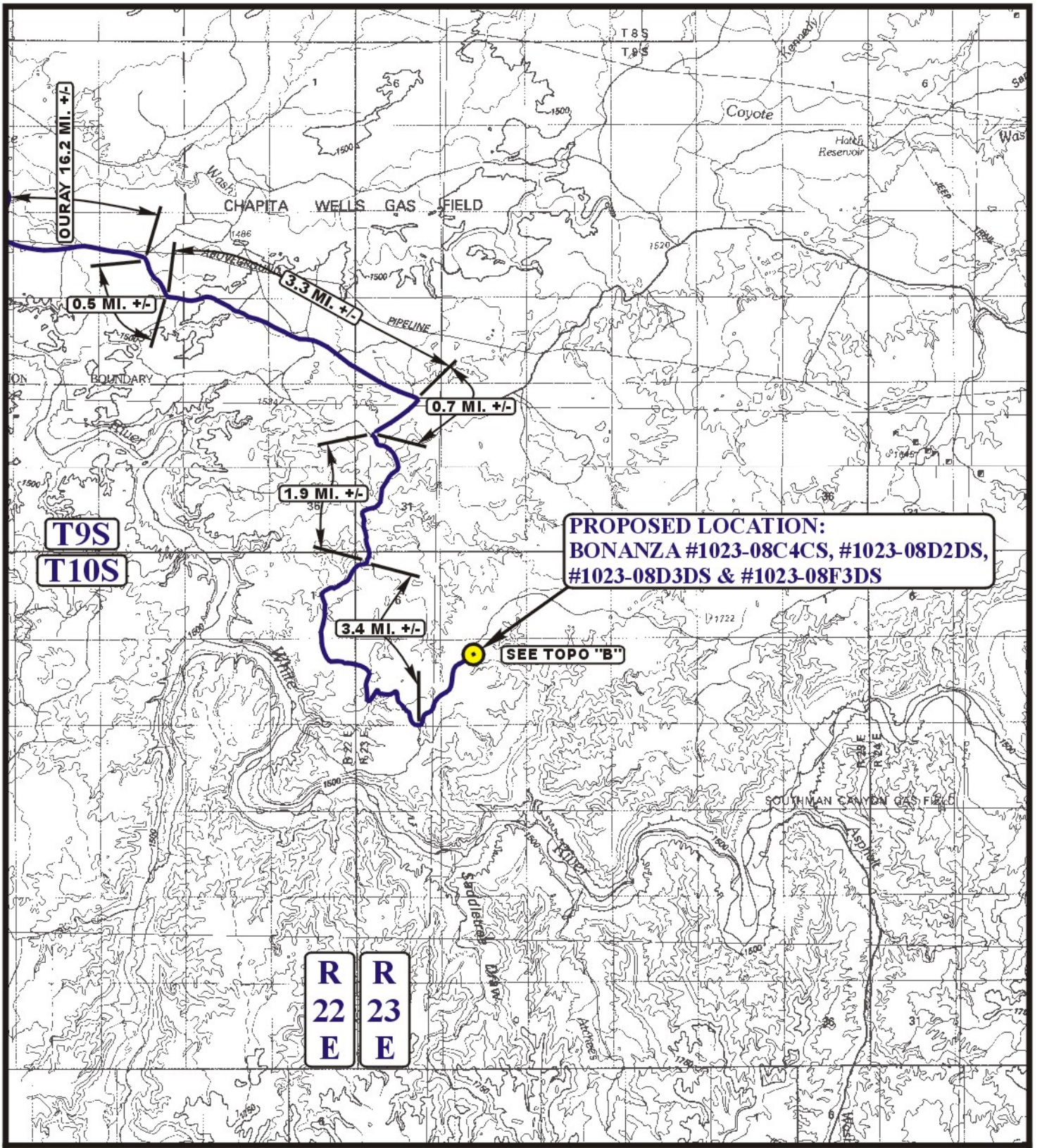
APPROXIMATE YARDAGES

(6") Topsoil Stripping (New Construction Only)	=	1,240 Cu. Yds.
Remaining Location	=	18,270 Cu. Yds.
TOTAL CUT	=	19,510 CU.YDS.
FILL	=	3,000 CU.YDS.

EXCESS MATERIAL	=	16,510 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,880 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	11,630 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

’APIWellNo:43047505010000’



LEGEND:

PROPOSED LOCATION

N

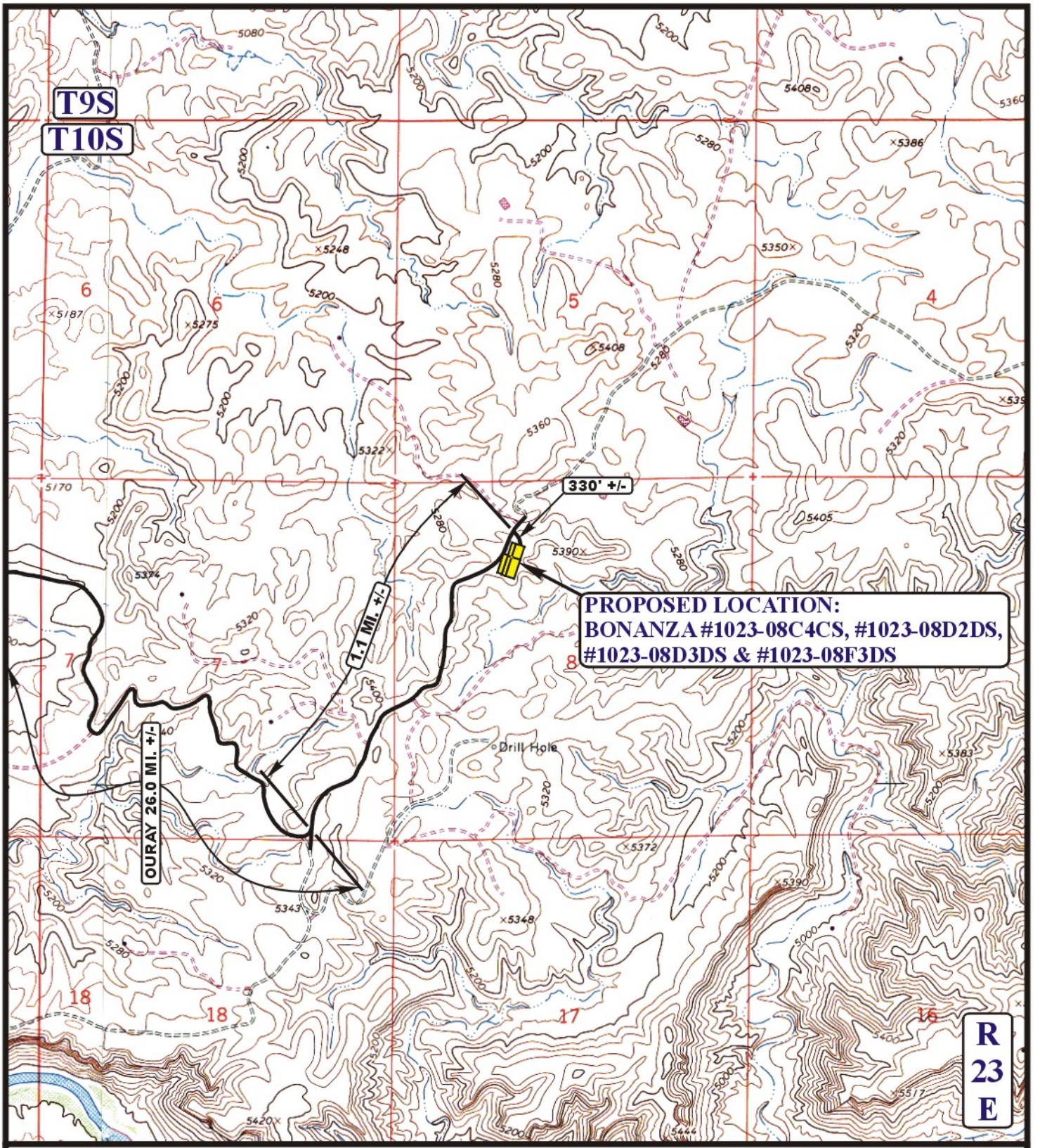
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-08C4CS, #1023-08D2DS,
#1023-08D3DS & #1023-08F3DS
SECTION 8, T10S, R23E, S.L.B.&M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	01 MONTH	05 DAY	09 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.J.	REVISED: 00-00-00		

’APIWellNo:43047505010000’



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

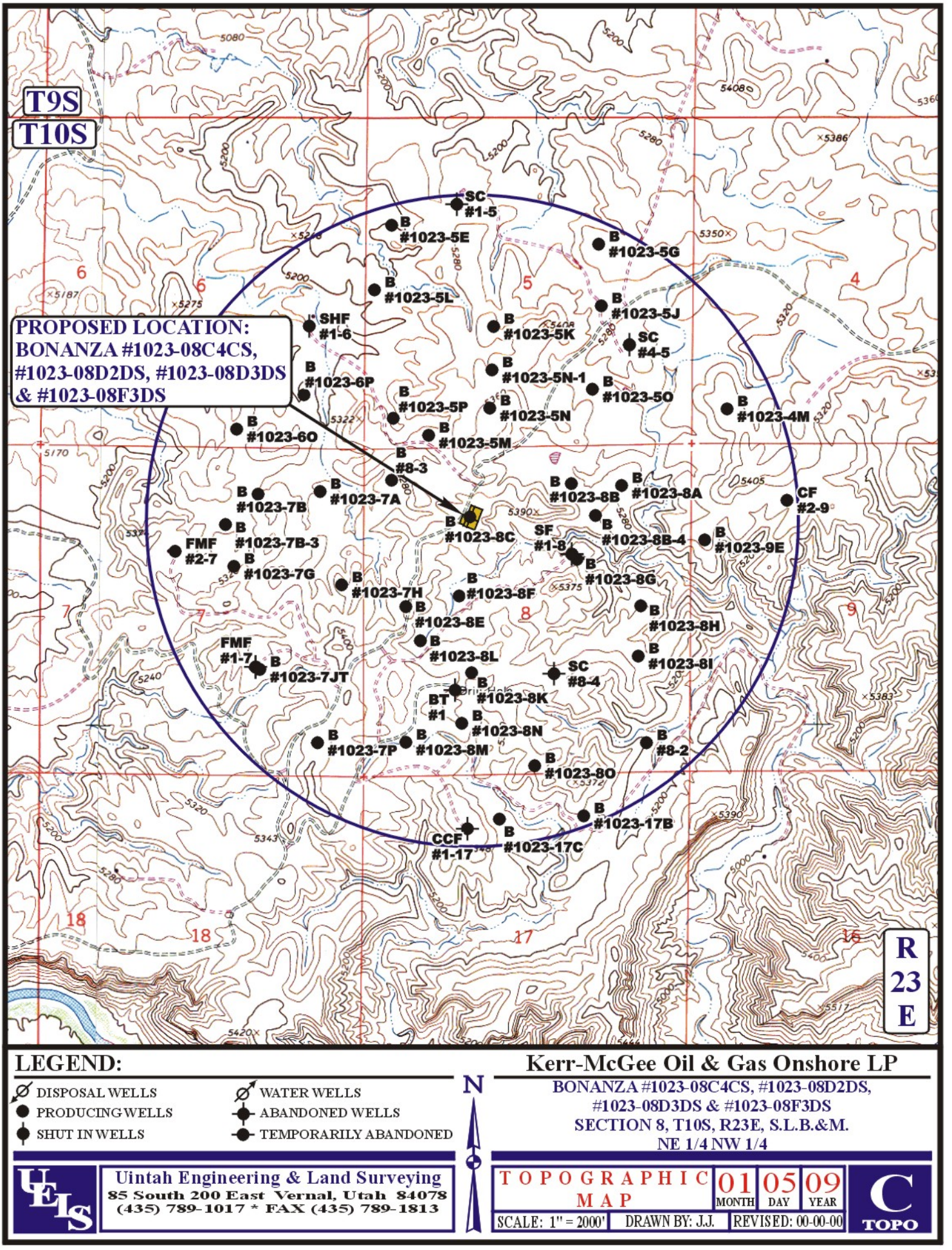
Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-08C4CS, #1023-08D2DS,
#1023-08D3DS & #1023-08F3DS
SECTION 8, T10S, R23E, S.L.B.&M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	01 MONTH	05 DAY	09 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 00-00-00		

’APIWellNo:43047505010000’



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-08C4CS, #1023-08D2DS,
#1023-08D3DS & #1023-08F3DS
SECTION 8, T10S, R23E, S.L.B.&M.
NE 1/4 NW 1/4

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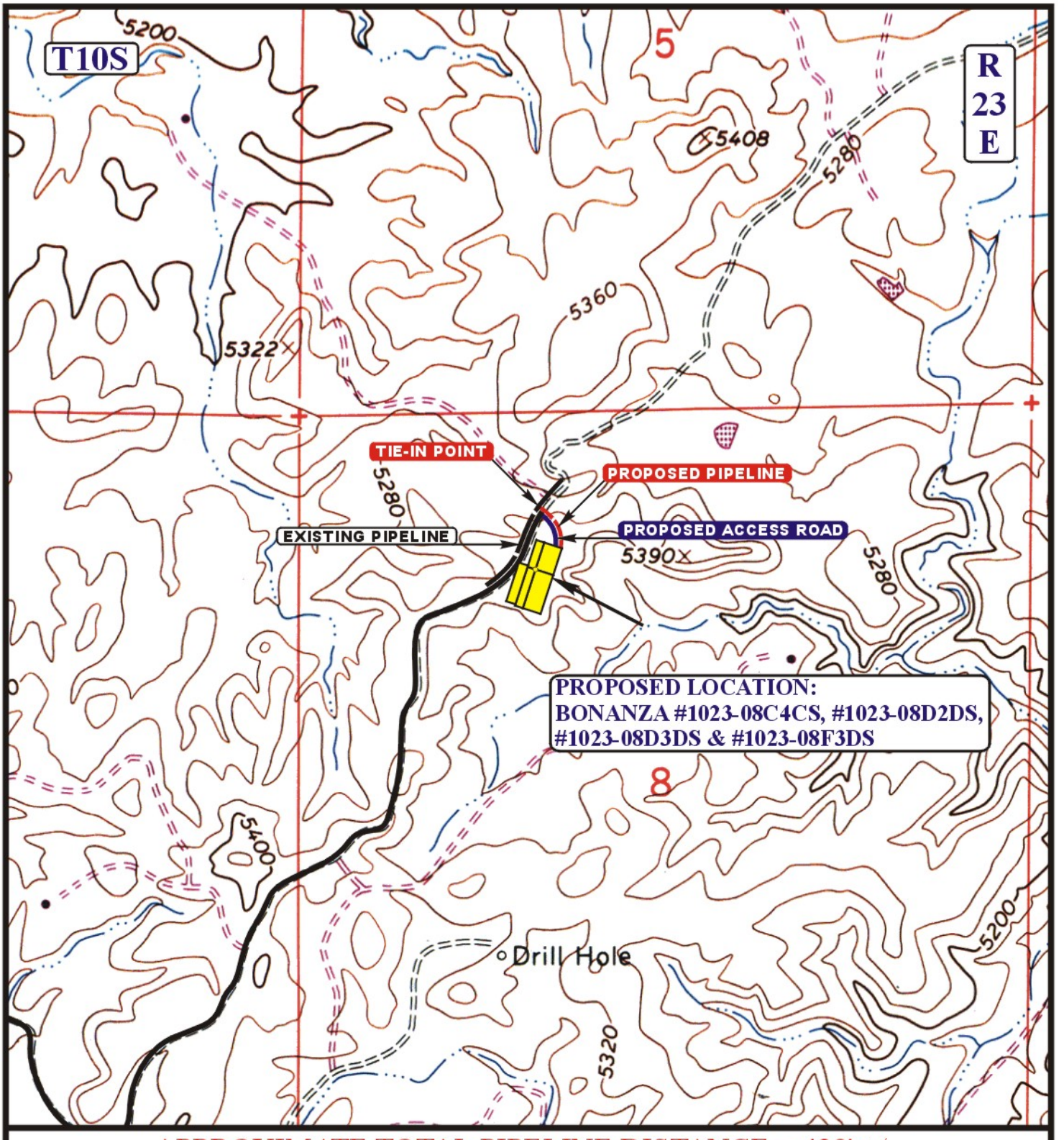
TOPOGRAPHIC MAP	01 MONTH	05 DAY	09 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.J.	REVISED: 00-00-00		

'APIWellNo:43047505010000'



APPROXIMATE TOTAL PIPELINE DISTANCE = 439' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-08C4CS, #1023-08D2DS,
#1023-08D3DS & #1023-08F3DS
SECTION 8, T10S, R23E, S.L.B.&M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	01 MONTH	05 DAY	09 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: J.J.	REVISED: 00-00-00		

’APIWellNo:43047505010000’

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-08C4CS, #1023-08D2DS, #1023-08D3DS & #1023-08F3DS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 8, T10S, R23E, S.L.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES — CAMERA ANGLE: SOUTHEASTERLY

PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: SOUTHERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	01 MONTH	05 DAY	09 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: J.J.	REVISED: 01-20-09		

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-08C4CS, #1023-08D2DS, #1023-08D3DS & #1023-08F3DS
SECTION 8, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 330’ TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.1 MILES.

’APIWellNo:43047505010000’

Bonanza 1023-8C4CS
Surface: 1,158’ FNL, 1,708’ FWL (NE/4NW/4)
BHL: 1,005’ FNL 2,020’ FWL (NE/4NW/4)

Bonanza 1023-8D2DS
Surface: 1,091’ FNL, 1,730’ FWL (NE/4NW/4)
BHL: 390’ FNL 585’ FWL (NW/4NW/4)

Bonanza 1023-8D3DS
Surface: 1,110’ FNL, 1,723’ FWL (NE/4NW/4)
BHL: 1,075’ FNL 545’ FWL (NW/4NW/4)

Bonanza 1023-8F3DS
Surface: 1,177’ FNL, 1,702’ FWL (NE/4NW/4)
BHL: 1,670’ FNL 1,930’ FWL (SE/4NW/4)

Pad: Bonanza 1023-8C
Sec. 8 T10S R23E

Uintah, Utah
Mineral Lease: UTU 37355

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN SUBMITTED WITH SITE-SPECIFIC INFORMATION

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted in January, 2009 showing the surface locations in NE/4 NW/4 of Section 8 T10S R23E.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on February 3, 2009. Present were:

- Verlyn Pindell, Dave Gordon, Scott Ackerman, Karl Wright – BLM;
- David Kay – Uintah Engineering & Land Surveying;
- Kolby Kay – 609 Consulting, LLC
- Tony Kazeck, Clay Einerson, Raleen White, Ramey Hoopes, Grizz Oleen, Charles Chase and Spencer Biddle – Kerr-McGee.

Directional Drilling:
In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

1. Existing Roads:
A) Refer to Topo Map A for directions to the location.
B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.
C) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:
See MDP for additional details on road construction.
No new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

3. Location of Existing Wells Within a 1-Mile Radius:
Please refer to Topo Map C.

4. Location of Existing and Proposed Facilities:
See MDP for additional details on Existing and Proposed Facilities.

The following guidelines will apply if the well is productive.
Approximately ±439' of new pipeline is proposed. Refer to Topo D for the existing pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

5. Location and Type of Water Supply:
See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, Application number 53617. Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:
See MDP for additional details on Source of Construction Materials.

7. Methods of Handling Waste Materials:
See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

8. Ancillary Facilities:
See MDP for additional details on Ancillary Facilities.

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)
See MDP for additional details on Well Site Layout.

All pits will be fenced according to the following minimum standards:

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

10. Plans for Reclamation of the Surface:
See MDP for additional details on Plans for Reclamation of the Surface.

11. Surface/Mineral Ownership:
United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:
See MDP for additional details on Other Information.

13. Lessee's or Operators' Representative & Certification:

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720-929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Danielle Piernot

Danielle Piernot

June 16, 2009
Date

’APIWellNo:43047505010000’

CLASS I REVIEW OF KERR-MCGEE OIL AND GAS ONSHORE LP’S 43 PROPOSED WELL LOCATIONS (T10S, R23E, SECTIONS 5, 6, 7, 8, AND 10) UINTAH COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-331

February 26, 2009

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

IPC #09-33

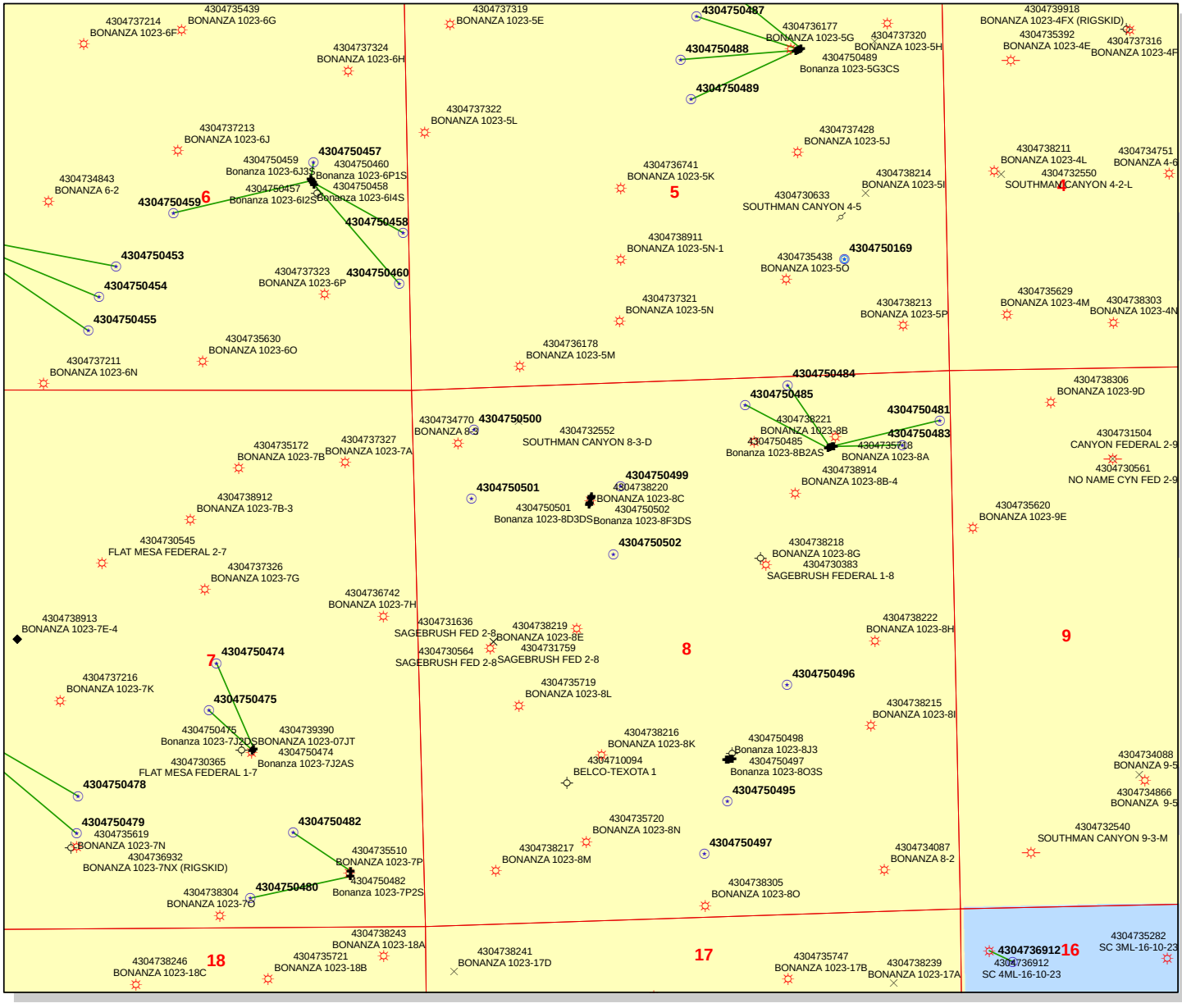
Paleontological Reconnaissance Survey Report

Survey of Kerr McGee's Proposed Multi-Well Pads, Access Roads, and Pipeline Upgrades for "Bonanza #1023-05G2AS, G2CS, G3BS, & G3CS & #1023-08C4CS, D2DS, D3DS, & F3DS" (Sec. 5 & 8, T 9 S, R 20 E)

Asphalt Wash
Topographic Quadrangle
Uintah County, Utah

March 12, 2009

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078



API Number: 4304750501

Well Name: Bonanza 1023-8D3DS

Township 10.0 S Range 23.0 E Section 8

Meridian: SLBM

Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

Sections
Wells Query Events
<all other values>
GIS_STAT_TYPE
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APD
DRL
GI
GS
LA
NEW
OPS
PA
PGW
POW
RET
SGW
SOW
TA
TW
WD
WI
WS

1,300 650 0 1,300 Feet

1:12,086

'APIWellNo:43047505010000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/19/2009 **API NO. ASSIGNED:** 43047505010000

WELL NAME: Bonanza 1023-8D3DS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) **PHONE NUMBER:** 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: NENW 8 100S 230E **Permit Tech Review:** ☑

SURFACE: 1110 FNL 1723 FWL **Engineering Review:** ☑

BOTTOM: 1075 FNL 0545 FWL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 39.96760 **LONGITUDE:** -109.35343

UTM SURF EASTINGS: 640624.00 **NORTHINGS:** 4425249.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 37355 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☑ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 179-14

Effective Date: 6/12/2008

Siting: 460' fr ext. drilling unit boundary

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 3 - Commingling - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason

JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Bonanza 1023-8D3DS
API Well Number: 43047505010000
Lease Number: UTU 37355
Surface Owner: FEDERAL
Approval Date: 6/30/2009

Issued to:
KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:
In accordance with Board Cause No. 179-14 commingling the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during

drilling of this well:

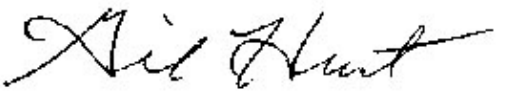
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED
JUN 29 2009
BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU37355	
6. If Indian, Allottee or Tribe Name	
1a. Type of Work: ☒ DRILL ☐ REENTER	7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. BONANZA 1023-8D3DS
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP Contact: DANIELLE E PIERNOT Mail: Danielle.Piernot@anadarko.com	9. API Well No. 43 047 50501
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156
	10. Field and Pool, or Exploratory NATURAL BUTTES
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NENW 1110FNL 1723FWL 39.96766 N Lat, 109.35397 W Lon At proposed prod. zone NWNW 1075FNL 545FWL 39.96775 N Lat, 109.35817 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 8 T10S R23E Mer SLB SME: BLM
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 27 MILES SOUTHEAST OF OURAY, UTAH	12. County or Parish UINTAH / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 545 FEET	16. No. of Acres in Lease 1920.000 / 17. Spacing Unit dedicated to this well 320.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 670 FEET	19. Proposed Depth 8715 MD 8400 TVD / 20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc. 5342 GL	22. Approximate date work will start 07/14/2009 / 23. Estimated duration 60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156	Date 06/19/2009
Title REGULATORY ANALYST		
Approved by (Signature) Stephanie J Howard	Name (Printed/Typed) Stephanie J Howard	Date 12/16/09
Title Acting Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

NOTICE OF APPROVAL

Electronic Submission #71185 verified by the BLM Well Information System
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal
Committed to AFMSS for processing by GAIL JENKINS on 06/24/2009 (09GXJ5019AE)

RECEIVED
DEC 24 2009
DIV. OF OIL, GAS & MINING

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

095X5056IA NOS: 02-11-2009

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas Onshore**	**Location:**	**NENW, Sec. 8, T10S, R23E**
Well No:	**Bonanza 1023-8D3DS**	**Lease No:**	**UTU-37355**
API No:	**43-047-50501**	**Agreement:**	**N/A**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 2/5/2007. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 2/5/2012 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

- The following seed mix will be used for Interim Reclamation

Interim Reclamation seed mix

Ephraim crested wheatgrass	*Agropyron cristatum v. Epharim*	1 lbs. /acre
Bottlebrush squirreltail	*Elymus elymoides*	1 lbs. /acre
Siberian wheatgrass	*Agropyron fragile*	1 lbs. /acre
Western wheatgrass	*Agropyron smithii*	1 lbs. /acre
Scarlet globemallow	*Spaeralcea coccinea*	1 lbs. /acre
Shadscale	*Atriplex confertifolia*	2 lbs. /acre
Fourwing saltbush	*Atriplex canescens*	2 lbs. /acre

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. Seed shall be applied between August 15 and ground freezing. All seed rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.

- All permanent (on-site six months or longer), above ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) would be excluded. The requested color is Shadow Gray as determined during the on-site inspection.

- As agreed upon at the onsite, the pit will be lined with double felt.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- A Gama Ray Log shall be run from TD to surface.

Variances Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Bonanza 1023-8D3DS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047505010000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6007 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/10/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 03, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/2/2010

RECEIVED March 02, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	February 24, 2010	
WELL NAME	**Bonanza 1023-8D3DS**		TD	8,400' TVD	8,715' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,341'
SURFACE LOCATION	NE/4 NW/4 1,110' FNL	1,723' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967656	Longitude: -109.353969			NAD 83
BTM HOLE LOCATION	NW/4 NW/4 1,075' FNL	545' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967747	Longitude: -109.358172			NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	8-5/8", 28#, IJ-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	**1,290'**
Top of Birds Nest @	**1,484**
Mahogany @	**1,976**
Preset f/ GL @	**2,125' MD**

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	**4,212'**
Mverde @	**6,307' TVD**
MVU2 @	**7,244' TVD**
MVU1 @	**7,773' TVD**
TD @	**8,400' TVD / 8,715' MD**

Mud logging program TBD

Cased hole logging program from TD - surf csg

Max anticipated Mud required 11.6 ppg

7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	2,125	28.00	IJ-55	LTC	1.02	1.89	5.79
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8,715	11.60	I-80	LTC	2.42	1.25	2.28

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,124 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,158 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	TAIL	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1,625'	65/35 Poz + 6% Gel + 10 pps gilsonite	380	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	6,115'	Premium Lite II + 3% KCl + 0.25 pps	580	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	2,600'	50/50 Poz/G + 10% salt + 2% gel	640	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: ______________________ **DATE:** ____________

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: ______________________ **DATE:** ____________

John Merkel / Lovel Young

RECEIVED March 02, 2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/7/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU CAPSTAR 310 RIG ON 4/5/2010. DRILLED 11" SURFACE HOLE TO 1909'. RAN 8-5/8" 28# J55 SURFACE CSG. PUMP 50 BBLS AHEAD OF H20, PUMP 20 BBLS OF GEL WATER FOR SPACER, PUMP 225 SX CLASS G PREM LITE TAIL CMT @ 15.8#, 1.15 YD. DISPLACE W/ 113 BBLS OF H20 W/ 60 BBL LIFT @ 2 BBLS A MINUTE. BUMP PLUG 500 PSI. FLOAT HELD. NO CIRC THROUGH OUT JOB. TOP OUT W/80 SX CLASS G PREM LITE CMT @ 15.8#, 1.15 YD. PUMP TOP OUT #2 W/100 SX OF SAME CEMENT, NO CEMENT TO SURFACE. RELEASE CEMENTERS WILL TOP OUT ON NEXT JOB. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 08, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/8/2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
Bonanza 1023-8D3DS

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
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3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6007 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/10/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 03, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		3/2/2010

RECEIVED March 02, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	February 24, 2010	
WELL NAME	**Bonanza 1023-8D3DS**		TD	8,400' TVD	8,715' MD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,341'
SURFACE LOCATION	NE/4 NW/4 1,110' FNL	1,723' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967656	Longitude: -109.353969			NAD 83
BTM HOLE LOCATION	NW/4 NW/4 1,075' FNL	545' FWL	Sec 8	T 10S	R 23E
	Latitude: 39.967747	Longitude: -109.358172			NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'	14"		
			12-1/4"	8-5/8", 28#, IJ-55, LTC	Air mist

All water flows encountered while drilling will be reported to the appropriate agencies.

Green River @	**1,290'**
Top of Birds Nest @	**1,484**
Mahogany @	**1,976**
Preset f/ GL @	**2,125' MD**

Note: 11" surface hole will usually be drilled ±400' below the lost circulation zone (aka bird's nest). Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

Wasatch @	**4,212'**
Mverde @	**6,307' TVD**
MVU2 @	**7,244' TVD**
MVU1 @	**7,773' TVD**
TD @	**8,400' TVD / 8,715' MD**

Mud logging program TBD

Cased hole logging program from TD - surf csg

Max anticipated Mud required 11.6 ppg

7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC csg	Water / Fresh Water Mud 8.3-11.6 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	DESIGN FACTORS COLLAPSE	DESIGN FACTORS TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	2,125	28.00	IJ-55	LTC	1.02	1.89	5.79
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8,715	11.60	I-80	LTC	2.42	1.25	2.28

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,124 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,158 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	TAIL	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ 0.25 pps flocele				
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1,625'	65/35 Poz + 6% Gel + 10 pps gilsonite	380	35%	12.60	1.81
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	6,115'	Premium Lite II + 3% KCl + 0.25 pps	580	40%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	2,600'	50/50 Poz/G + 10% salt + 2% gel	640	40%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: ______________________ **DATE:** ____________
John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: ______________________ **DATE:** ____________
John Merkel / Lovel Young

RECEIVED March 02, 2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 3/15/2010	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 03/15/2010 AT 13:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 16, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/16/2010

RECEIVED March 16, 2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/7/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU CAPSTAR 310 RIG ON 4/5/2010. DRILLED 11" SURFACE HOLE TO 1909'. RAN 8-5/8" 28# J55 SURFACE CSG. PUMP 50 BBLS AHEAD OF H20, PUMP 20 BBLS OF GEL WATER FOR SPACER, PUMP 225 SX CLASS G PREM LITE TAIL CMT @ 15.8#, 1.15 YD. DISPLACE W/ 113 BBLS OF H20 W/ 60 BBL LIFT @ 2 BBLS A MINUTE. BUMP PLUG 500 PSI. FLOAT HELD. NO CIRC THROUGH OUT JOB. TOP OUT W/80 SX CLASS G PREM LITE CMT @ 15.8#, 1.15 YD. PUMP TOP OUT #2 W/100 SX OF SAME CEMENT, NO CEMENT TO SURFACE. RELEASE CEMENTERS WILL TOP OUT ON NEXT JOB. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 08, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/8/2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 8 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/10/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1909' TO 8640' ON JUNE 9, 2010. RAN 4 ½" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 760 SX CLASS G PREM LITE @ 12.5 PPG, 1.98 YD. TAILED CEMENT W/ 540 SX CLASS G 50/50 POZ MIX @ 14.2 PPG, 1.22 YD. DISPLACED W/133_BBLS WATER, FINAL LIFT 2200 PSI W/ 5 BBLS TO SURFACE. RD CEMENTERS AND CLEANED PITS. RELEASED ENSIGN RIG #139 ON JUNE 10, 2010 @ 23:59 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 15, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/11/2010

RECEIVED June 11, 2010

API Well No: 43047505010000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: Bonanza 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/5/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON AUGUST 5, 2010 AT 10:40 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

August 09, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/5/2010

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU37355

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE E-Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. BONANZA 1023-8D3DS

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-50501

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NENW 1110FNL 1723FWL 39.96769 N Lat, 109.35329 W Lon

At top prod interval reported below NWNW 1058FNL 542FWL

At total depth NWNW 1087FNL 545FWL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 8 T10S R23E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 03/15/2010

15. Date T.D. Reached 06/09/2010

16. Date Completed ☐ D & A ☒ Ready to Prod. 08/05/2010

17. Elevations (DF, KB, RT, GL)* 5341 GL

18. Total Depth: MD 8640 TVD 8479

19. Plug Back T.D.: MD 8592 TVD 8431

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CHI-GR/CCL/RAW/RCBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 IJ55	28.0		1878		555			
7.875	4.500 I80	11.6		8636		1300			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8004							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	MESAVERDE	7000	8446	7000 TO 8446	0.360	251	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7000 TO 8446	PUMP 8,688 BBLS SLICK H20 & 335,005 LBS 30/50 SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/05/2010	08/08/2010	24	→	0.0	1403.0	360.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	1200	2000.0	→	0	1403	360		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

RECEIVED
SEP 09 2010
DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #92291 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1226				
BIRD'S NEST	1486				
MAHOGANY	1839				
WASATCH	4281	6477			
MESAVERDE	6477	8640	TD		

32. Additional remarks (include plugging procedure):
ATTACHED IS THE DRILLING/COMPLETION CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #92291 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/03/2010

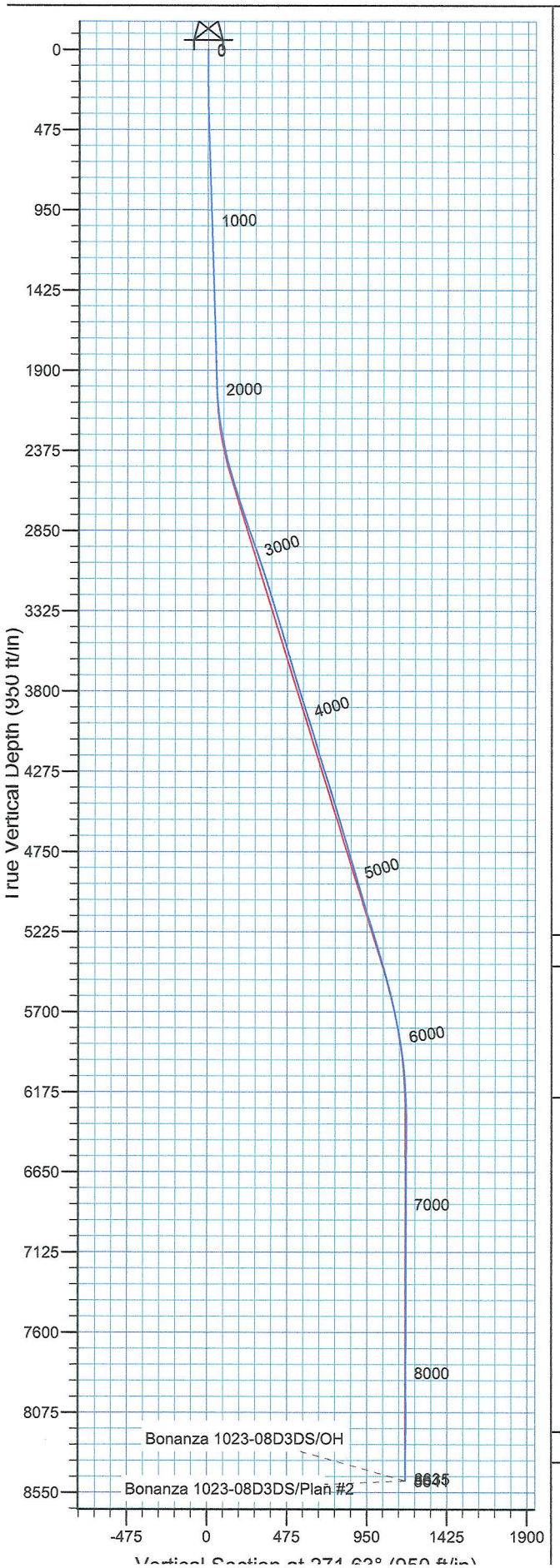
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

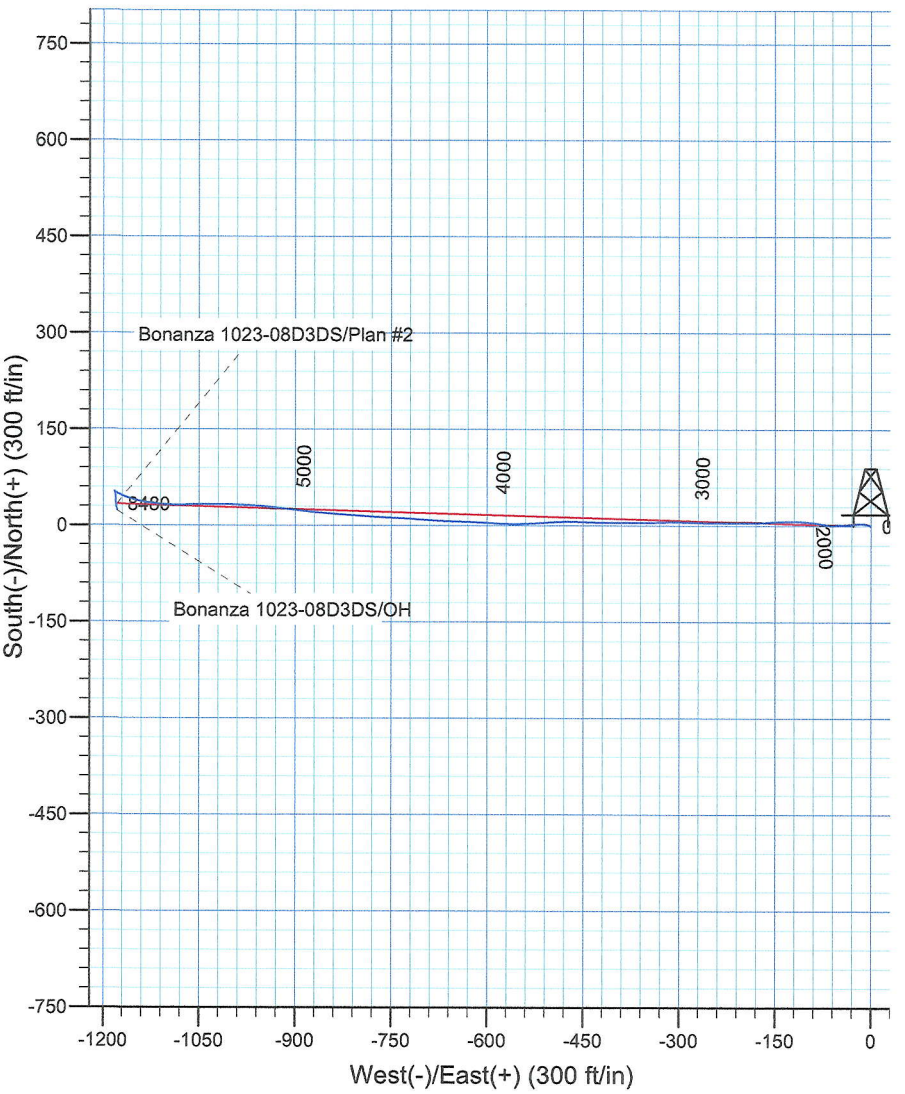
**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Scientific Drilling
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: Bonanza 1023-8C Pad
Well: Bonanza 1023-08D3DS
Wellbore: OH
Design: OH

Kerr McGee Oil and Gas Onshore LP





WELL DETAILS: Bonanza 1023-08D3DS

Ground Level: GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	602496.01	2601610.41	39° 58' 3.680 N	109° 21' 11.850 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Bonanza 1023-08D3DS, True North
Vertical (TVD) Reference: GL 5341' & RKB 14' @ 5355.00ft (Ensign 13
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 5341' & RKB 14' @ 5355.00ft (Ensign 13
Calculation Method: Minimum Curvature
Local North: True
Location: Sec 8 T6S R23E

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

Design: OH (Bonanza 1023-08D3DS/OH)

Created By: Rex Hall Date: 2010-06-28

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT NAD27
Bonanza 1023-8C Pad
Bonanza 1023-08D3DS
OH

Design: OH

Standard Survey Report

28 June, 2010

Anadarko
Petroleum Corporation

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Bonanza 1023-8C Pad, Sec 8 T6S R23E				
Site Position:		**Northing:**	602,471.58 ft	**Latitude:**	39° 58' 3.440 N
From:	Lat/Long	**Easting:**	2,601,603.99 ft	**Longitude:**	109° 21' 11.940 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.38 °

Well	Bonanza 1023-08D3DS, 1110' FNL 1723' FWL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	602,496.01 ft	**Latitude:**	39° 58' 3.680 N
	+E/-W	0.00 ft	**Easting:**	2,601,610.41 ft	**Longitude:**	109° 21' 11.850 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,341.00 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2009/02/23	11.29	65.94	52,585

Design	OH				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	5.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	5.00	0.00	0.00	271.63	

Survey Program **Date** 2010/06/28

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
172.00	1,860.00	Survey #1 - Weatherford MWD (OH)	MWD	MWD - Standard
1,892.00	8,640.00	Survey #2 - Production MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
172.00	0.69	303.32	172.00	0.55	-0.84	0.86	0.41	0.41	0.00
First Weatherford MWD Survey									
268.00	0.63	294.57	267.99	1.09	-1.80	1.83	0.12	-0.06	-9.11
364.00	1.75	282.19	363.97	1.62	-3.72	3.76	1.19	1.17	-12.90
459.00	1.95	285.44	458.92	2.35	-6.69	6.76	0.24	0.21	3.42
554.00	1.56	281.82	553.87	3.05	-9.52	9.60	0.43	-0.41	-3.81
650.00	2.06	269.94	649.83	3.32	-12.52	12.61	0.65	0.52	-12.37
745.00	1.94	266.94	744.77	3.23	-15.83	15.92	0.17	-0.13	-3.16
841.00	1.75	269.07	840.72	3.12	-18.92	19.00	0.21	-0.20	2.22
937.00	1.75	265.94	936.67	2.99	-21.85	21.93	0.10	0.00	-3.26
1,032.00	1.88	267.44	1,031.63	2.82	-24.85	24.92	0.15	0.14	1.58

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,128.00	1.69	266.82	1,127.58	2.67	-27.84	27.90	0.20	-0.20	-0.65
1,223.00	1.94	266.94	1,222.53	2.51	-30.84	30.90	0.26	0.26	0.13
1,319.00	1.94	264.07	1,318.48	2.25	-34.08	34.13	0.10	0.00	-2.99
1,415.00	1.94	261.82	1,414.42	1.85	-37.31	37.35	0.08	0.00	-2.34
1,511.00	1.88	258.82	1,510.37	1.32	-40.46	40.48	0.12	-0.06	-3.12
1,606.00	1.94	278.94	1,605.32	1.26	-43.58	43.60	0.71	0.06	21.18
1,702.00	1.81	273.82	1,701.26	1.62	-46.70	46.72	0.22	-0.14	-5.33
1,797.00	1.81	270.57	1,796.22	1.73	-49.69	49.72	0.11	0.00	-3.42
1,860.00	1.75	265.07	1,859.19	1.66	-51.65	51.67	0.29	-0.10	-8.73
Last Weatherford MWD Survey									
1,892.00	1.67	257.15	1,891.17	1.51	-52.59	52.61	0.78	-0.25	-24.75
First SDI Production MWD Survey									
1,982.00	2.20	260.58	1,981.12	0.94	-55.57	55.57	0.60	0.59	3.81
2,073.00	4.04	270.42	2,071.98	0.68	-60.50	60.49	2.10	2.02	10.81
2,163.00	7.12	280.70	2,161.55	1.74	-69.15	69.17	3.58	3.42	11.42
2,254.00	9.50	278.33	2,251.59	3.87	-82.13	82.20	2.64	2.62	-2.60
2,345.00	12.13	274.38	2,340.96	5.69	-99.09	99.22	3.00	2.89	-4.34
2,435.00	13.98	271.91	2,428.63	6.77	-119.39	119.53	2.15	2.06	-2.74
2,526.00	16.09	266.64	2,516.52	6.40	-142.97	143.09	2.76	2.32	-5.79
2,616.00	17.15	267.61	2,602.76	5.12	-168.68	168.75	1.22	1.18	1.08
2,707.00	18.11	269.54	2,689.48	4.44	-196.22	196.27	1.23	1.05	2.12
2,798.00	18.91	269.81	2,775.77	4.28	-225.11	225.14	0.88	0.88	0.30
2,888.00	19.52	271.30	2,860.76	4.57	-254.73	254.76	0.87	0.68	1.66
2,979.00	19.61	272.44	2,946.51	5.57	-285.19	285.23	0.43	0.10	1.25
3,069.00	17.94	268.84	3,031.72	5.93	-314.14	314.18	2.26	-1.86	-4.00
3,160.00	17.76	268.57	3,118.34	5.30	-342.02	342.04	0.22	-0.20	-0.30
3,250.00	18.11	269.81	3,203.96	4.91	-369.73	369.72	0.58	0.39	1.38
3,341.00	17.41	270.33	3,290.63	4.94	-397.49	397.47	0.79	-0.77	0.57
3,431.00	17.59	270.68	3,376.46	5.18	-424.55	424.53	0.23	0.20	0.39
3,522.00	16.80	272.79	3,463.39	5.99	-451.44	451.43	1.11	-0.87	2.32
3,613.00	15.83	269.37	3,550.73	6.49	-476.99	476.98	1.50	-1.07	-3.76
3,703.00	15.65	265.59	3,637.36	5.42	-501.36	501.32	1.16	-0.20	-4.20
3,794.00	17.32	265.76	3,724.61	3.48	-527.11	527.00	1.84	1.84	0.19
3,885.00	17.67	269.37	3,811.41	2.32	-554.43	554.27	1.25	0.38	3.97
3,975.00	17.15	272.53	3,897.29	2.76	-581.35	581.19	1.20	-0.58	3.51
4,066.00	18.29	274.38	3,983.97	4.44	-608.99	608.87	1.40	1.25	2.03
4,156.00	16.71	272.97	4,069.80	6.19	-635.99	635.91	1.82	-1.76	-1.57
4,247.00	16.00	270.42	4,157.12	6.96	-661.60	661.53	1.11	-0.78	-2.80
4,337.00	17.67	273.06	4,243.26	7.78	-687.65	687.59	2.04	1.86	2.93
4,428.00	18.38	274.64	4,329.79	9.68	-715.74	715.72	0.95	0.78	1.74
4,518.00	17.23	272.97	4,415.48	11.52	-743.19	743.22	1.40	-1.28	-1.86
4,609.00	17.32	274.38	4,502.38	13.25	-770.16	770.22	0.47	0.10	1.55
4,700.00	16.09	272.27	4,589.54	14.78	-796.27	796.36	1.51	-1.35	-2.32
4,790.00	16.53	273.23	4,675.91	16.00	-821.51	821.63	0.57	0.49	1.07
4,881.00	15.92	276.05	4,763.29	18.04	-846.85	847.02	1.09	-0.67	3.10
4,971.00	16.88	275.61	4,849.63	20.62	-872.13	872.36	1.08	1.07	-0.49
5,062.00	16.27	278.15	4,936.85	23.72	-897.89	898.21	1.04	-0.67	2.79
5,152.00	16.44	277.36	5,023.21	27.14	-923.00	923.40	0.31	0.19	-0.88
5,243.00	16.88	274.64	5,110.39	29.86	-948.94	949.41	0.98	0.48	-2.99
5,333.00	16.97	273.32	5,196.49	31.68	-975.08	975.59	0.44	0.10	-1.47
5,424.00	17.50	271.21	5,283.40	32.73	-1,002.02	1,002.54	0.90	0.58	-2.32
5,514.00	16.62	270.51	5,369.44	33.13	-1,028.42	1,028.94	1.00	-0.98	-0.78
5,605.00	15.12	267.61	5,456.97	32.75	-1,053.29	1,053.80	1.86	-1.65	-3.19
5,695.00	14.42	269.01	5,544.00	32.07	-1,076.22	1,076.70	0.87	-0.78	1.56

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,786.00	13.81	272.88	5,632.25	32.42	-1,098.40	1,098.88	1.23	-0.67	4.25
5,877.00	11.78	277.28	5,720.99	34.14	-1,118.46	1,118.98	2.47	-2.23	4.84
5,967.00	10.11	280.18	5,809.35	36.70	-1,135.35	1,135.94	1.95	-1.86	3.22
6,058.00	8.62	284.39	5,899.14	39.81	-1,149.82	1,150.49	1.80	-1.64	4.63
6,148.00	6.95	288.17	5,988.30	43.19	-1,161.53	1,162.29	1.94	-1.86	4.20
6,239.00	5.80	296.96	6,078.74	46.99	-1,170.86	1,171.72	1.65	-1.26	9.66
6,329.00	3.43	291.34	6,168.44	50.03	-1,177.42	1,178.37	2.68	-2.63	-6.24
6,420.00	1.06	296.17	6,259.37	51.39	-1,180.71	1,181.70	2.61	-2.60	5.31
6,510.00	0.53	298.81	6,349.36	51.96	-1,181.82	1,182.82	0.59	-0.59	2.93
6,601.00	0.18	320.69	6,440.36	52.27	-1,182.28	1,183.29	0.41	-0.38	24.04
6,691.00	0.09	208.72	6,530.36	52.32	-1,182.41	1,183.42	0.25	-0.10	-124.41
6,782.00	0.26	89.10	6,621.36	52.26	-1,182.24	1,183.24	0.35	0.19	-131.45
6,873.00	0.26	92.27	6,712.36	52.26	-1,181.82	1,182.83	0.02	0.00	3.48
6,963.00	0.26	158.80	6,802.36	52.06	-1,181.54	1,182.55	0.32	0.00	73.92
7,054.00	0.62	172.07	6,893.35	51.38	-1,181.40	1,182.38	0.41	0.40	14.58
7,144.00	0.18	156.95	6,983.35	50.76	-1,181.28	1,182.24	0.50	-0.49	-16.80
7,235.00	0.53	192.81	7,074.35	50.22	-1,181.32	1,182.27	0.44	0.38	39.41
7,326.00	0.70	182.35	7,165.34	49.26	-1,181.43	1,182.36	0.22	0.19	-11.49
7,416.00	0.44	172.60	7,255.34	48.37	-1,181.41	1,182.31	0.31	-0.29	-10.83
7,507.00	0.44	159.85	7,346.34	47.69	-1,181.25	1,182.12	0.11	0.00	-14.01
7,597.00	0.62	174.18	7,436.33	46.88	-1,181.08	1,181.93	0.25	0.20	15.92
7,688.00	0.44	172.95	7,527.33	46.05	-1,180.98	1,181.82	0.20	-0.20	-1.35
7,778.00	1.06	165.13	7,617.32	44.90	-1,180.73	1,181.53	0.70	0.69	-8.69
7,869.00	1.06	182.97	7,708.30	43.24	-1,180.56	1,181.31	0.36	0.00	19.60
7,959.00	1.23	185.43	7,798.29	41.45	-1,180.69	1,181.39	0.20	0.19	2.73
8,050.00	1.41	179.45	7,889.26	39.36	-1,180.77	1,181.41	0.25	0.20	-6.57
8,140.00	1.32	181.91	7,979.24	37.22	-1,180.80	1,181.38	0.12	-0.10	2.73
8,231.00	1.58	176.47	8,070.21	34.92	-1,180.75	1,181.27	0.32	0.29	-5.98
8,322.00	1.58	170.23	8,161.17	32.43	-1,180.46	1,180.91	0.19	0.00	-6.86
8,412.00	1.67	164.78	8,251.14	29.94	-1,179.91	1,180.28	0.20	0.10	-6.06
8,503.00	1.58	160.12	8,342.10	27.48	-1,179.13	1,179.44	0.18	-0.10	-5.12
8,582.00	1.85	162.23	8,421.06	25.24	-1,178.37	1,178.62	0.35	0.34	2.67
Last SDI Production MWD Survey									
8,640.00	1.85	162.23	8,479.03	23.46	-1,177.80	1,177.99	0.00	0.00	0.00
Projection To TD									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Bonanza 1023-08D3DS	0.00	0.00	8,480.00	33.43	-1,177.93	602,501.17	2,600,432.02	39° 58' 4.010 N	109° 21' 26.980 W
- actual wellpath misses target center by 10.02ft at 8640.00ft MD (8479.03 TVD, 23.46 N, -1177.80 E)									
- Circle (radius 25.00)									

Checked By: _____ Approved By: _____ Date: _____

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT NAD27
Bonanza 1023-8C Pad
Bonanza 1023-08D3DS
OH

Design: OH

Survey Report - Geographic

28 June, 2010

Anadarko
Petroleum Corporation

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Bonanza 1023-8C Pad, Sec 8 T6S R23E				
Site Position:		**Northing:**	602,471.58 ft	**Latitude:**	39° 58' 3.440 N
From:	Lat/Long	**Easting:**	2,601,603.99 ft	**Longitude:**	109° 21' 11.940 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.38 °

Well	Bonanza 1023-08D3DS, 1110' FNL 1723' FWL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	602,496.01 ft	**Latitude:**	39° 58' 3.680 N
	+E/-W	0.00 ft	**Easting:**	2,601,610.41 ft	**Longitude:**	109° 21' 11.850 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,341.00 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2009/02/23	11.29	65.94	52,585

Design	OH				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	5.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	5.00	0.00	0.00	271.63	

Survey Program **Date** 2010/06/28

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
172.00	1,860.00	Survey #1 - Weatherford MWD (OH)	MWD	MWD - Standard
1,892.00	8,640.00	Survey #2 - Production MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
5.00	0.00	0.00	5.00	0.00	0.00	602,496.01	2,601,610.41	39° 58' 3.680 N	109° 21' 11.850 W
172.00	0.69	303.32	172.00	0.55	-0.84	602,496.55	2,601,609.56	39° 58' 3.685 N	109° 21' 11.861 W
First Weatherford MWD Survey									
268.00	0.63	294.57	267.99	1.09	-1.80	602,497.06	2,601,608.58	39° 58' 3.691 N	109° 21' 11.873 W
364.00	1.75	282.19	363.97	1.62	-3.72	602,497.54	2,601,606.66	39° 58' 3.696 N	109° 21' 11.898 W
459.00	1.95	285.44	458.92	2.35	-6.69	602,498.21	2,601,603.67	39° 58' 3.703 N	109° 21' 11.936 W
554.00	1.56	281.82	553.87	3.05	-9.52	602,498.83	2,601,600.83	39° 58' 3.710 N	109° 21' 11.972 W
650.00	2.06	269.94	649.83	3.32	-12.52	602,499.03	2,601,597.82	39° 58' 3.713 N	109° 21' 12.011 W
745.00	1.94	266.94	744.77	3.23	-15.83	602,498.86	2,601,594.51	39° 58' 3.712 N	109° 21' 12.053 W
841.00	1.75	269.07	840.72	3.12	-18.92	602,498.68	2,601,591.42	39° 58' 3.711 N	109° 21' 12.093 W
937.00	1.75	265.94	936.67	2.99	-21.85	602,498.48	2,601,588.50	39° 58' 3.709 N	109° 21' 12.131 W
1,032.00	1.88	267.44	1,031.63	2.82	-24.85	602,498.23	2,601,585.50	39° 58' 3.708 N	109° 21' 12.169 W
1,128.00	1.69	266.82	1,127.58	2.67	-27.84	602,498.01	2,601,582.52	39° 58' 3.706 N	109° 21' 12.208 W
1,223.00	1.94	266.94	1,222.53	2.51	-30.84	602,497.78	2,601,579.52	39° 58' 3.705 N	109° 21' 12.246 W
1,319.00	1.94	264.07	1,318.48	2.25	-34.08	602,497.45	2,601,576.29	39° 58' 3.702 N	109° 21' 12.288 W
1,415.00	1.94	261.82	1,414.42	1.85	-37.31	602,496.97	2,601,573.07	39° 58' 3.698 N	109° 21' 12.329 W
1,511.00	1.88	258.82	1,510.37	1.32	-40.46	602,496.36	2,601,569.93	39° 58' 3.693 N	109° 21' 12.370 W
1,606.00	1.94	278.94	1,605.32	1.26	-43.58	602,496.23	2,601,566.82	39° 58' 3.692 N	109° 21' 12.410 W
1,702.00	1.81	273.82	1,701.26	1.62	-46.70	602,496.51	2,601,563.69	39° 58' 3.696 N	109° 21' 12.450 W
1,797.00	1.81	270.57	1,796.22	1.73	-49.69	602,496.55	2,601,560.69	39° 58' 3.697 N	109° 21' 12.488 W
1,860.00	1.75	265.07	1,859.19	1.66	-51.65	602,496.43	2,601,558.74	39° 58' 3.696 N	109° 21' 12.513 W
Last Weatherford MWD Survey									
1,892.00	1.67	257.15	1,891.17	1.51	-52.59	602,496.26	2,601,557.80	39° 58' 3.695 N	109° 21' 12.525 W
First SDI Production MWD Survey									
1,982.00	2.20	260.58	1,981.12	0.94	-55.57	602,495.62	2,601,554.84	39° 58' 3.689 N	109° 21' 12.564 W
2,073.00	4.04	270.42	2,071.98	0.68	-60.50	602,495.24	2,601,549.91	39° 58' 3.687 N	109° 21' 12.627 W
2,163.00	7.12	280.70	2,161.55	1.74	-69.15	602,496.09	2,601,541.24	39° 58' 3.697 N	109° 21' 12.738 W
2,254.00	9.50	278.33	2,251.59	3.87	-82.13	602,497.91	2,601,528.22	39° 58' 3.718 N	109° 21' 12.905 W
2,345.00	12.13	274.38	2,340.96	5.69	-99.09	602,499.32	2,601,511.21	39° 58' 3.736 N	109° 21' 13.123 W
2,435.00	13.98	271.91	2,428.63	6.77	-119.39	602,499.92	2,601,490.90	39° 58' 3.747 N	109° 21' 13.383 W
2,526.00	16.09	266.64	2,516.52	6.40	-142.97	602,498.98	2,601,467.33	39° 58' 3.743 N	109° 21' 13.686 W
2,616.00	17.15	267.61	2,602.76	5.12	-168.68	602,497.08	2,601,441.66	39° 58' 3.730 N	109° 21' 14.017 W
2,707.00	18.11	269.54	2,689.48	4.44	-196.22	602,495.75	2,601,414.14	39° 58' 3.724 N	109° 21' 14.370 W
2,798.00	18.91	269.81	2,775.77	4.28	-225.11	602,494.89	2,601,385.26	39° 58' 3.722 N	109° 21' 14.741 W
2,888.00	19.52	271.30	2,860.76	4.57	-254.73	602,494.47	2,601,355.65	39° 58' 3.725 N	109° 21' 15.122 W
2,979.00	19.61	272.44	2,946.51	5.57	-285.19	602,494.74	2,601,325.18	39° 58' 3.735 N	109° 21' 15.513 W
3,069.00	17.94	268.84	3,031.72	5.93	-314.14	602,494.40	2,601,296.22	39° 58' 3.738 N	109° 21' 15.885 W
3,160.00	17.76	268.57	3,118.34	5.30	-342.02	602,493.11	2,601,268.36	39° 58' 3.732 N	109° 21' 16.243 W
3,250.00	18.11	269.81	3,203.96	4.91	-369.73	602,492.05	2,601,240.67	39° 58' 3.728 N	109° 21' 16.599 W
3,341.00	17.41	270.33	3,290.63	4.94	-397.49	602,491.42	2,601,212.92	39° 58' 3.729 N	109° 21' 16.956 W
3,431.00	17.59	270.68	3,376.46	5.18	-424.55	602,491.01	2,601,185.86	39° 58' 3.731 N	109° 21' 17.303 W
3,522.00	16.80	272.79	3,463.39	5.99	-451.44	602,491.16	2,601,158.96	39° 58' 3.739 N	109° 21' 17.649 W
3,613.00	15.83	269.37	3,550.73	6.49	-476.99	602,491.05	2,601,133.41	39° 58' 3.744 N	109° 21' 17.977 W
3,703.00	15.65	265.59	3,637.36	5.42	-501.36	602,489.40	2,601,109.06	39° 58' 3.733 N	109° 21' 18.290 W
3,794.00	17.32	265.76	3,724.61	3.48	-527.11	602,486.84	2,601,083.37	39° 58' 3.714 N	109° 21' 18.621 W
3,885.00	17.67	269.37	3,811.41	2.32	-554.43	602,485.03	2,601,056.09	39° 58' 3.703 N	109° 21' 18.971 W
3,975.00	17.15	272.53	3,897.29	2.76	-581.35	602,484.82	2,601,029.17	39° 58' 3.707 N	109° 21' 19.317 W
4,066.00	18.29	274.38	3,983.97	4.44	-608.99	602,485.84	2,601,001.49	39° 58' 3.724 N	109° 21' 19.672 W
4,156.00	16.71	272.97	4,069.80	6.19	-635.99	602,486.94	2,600,974.45	39° 58' 3.741 N	109° 21' 20.019 W
4,247.00	16.00	270.42	4,157.12	6.96	-661.60	602,487.09	2,600,948.84	39° 58' 3.749 N	109° 21' 20.348 W
4,337.00	17.67	273.06	4,243.26	7.78	-687.65	602,487.29	2,600,922.78	39° 58' 3.757 N	109° 21' 20.682 W
4,428.00	18.38	274.64	4,329.79	9.68	-715.74	602,488.51	2,600,894.65	39° 58' 3.775 N	109° 21' 21.043 W
4,518.00	17.23	272.97	4,415.48	11.52	-743.19	602,489.69	2,600,867.16	39° 58' 3.794 N	109° 21' 21.396 W
4,609.00	17.32	274.38	4,502.38	13.25	-770.16	602,490.78	2,600,840.16	39° 58' 3.811 N	109° 21' 21.742 W
4,700.00	16.09	272.27	4,589.54	14.78	-796.27	602,491.68	2,600,814.02	39° 58' 3.826 N	109° 21' 22.078 W

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
4,790.00	16.53	273.23	4,675.91	16.00	-821.51	602,492.29	2,600,788.76	39° 58' 3.838 N	109° 21' 22.402 W
4,881.00	15.92	276.05	4,763.29	18.04	-846.85	602,493.73	2,600,763.38	39° 58' 3.858 N	109° 21' 22.727 W
4,971.00	16.88	275.61	4,849.63	20.62	-872.13	602,495.70	2,600,738.04	39° 58' 3.883 N	109° 21' 23.052 W
5,062.00	16.27	278.15	4,936.85	23.72	-897.89	602,498.18	2,600,712.21	39° 58' 3.914 N	109° 21' 23.383 W
5,152.00	16.44	277.36	5,023.21	27.14	-923.00	602,500.99	2,600,687.02	39° 58' 3.948 N	109° 21' 23.706 W
5,243.00	16.88	274.64	5,110.39	29.86	-948.94	602,503.09	2,600,661.03	39° 58' 3.975 N	109° 21' 24.039 W
5,333.00	16.97	273.32	5,196.49	31.68	-975.08	602,504.28	2,600,634.85	39° 58' 3.993 N	109° 21' 24.374 W
5,424.00	17.50	271.21	5,283.40	32.73	-1,002.02	602,504.69	2,600,607.90	39° 58' 4.003 N	109° 21' 24.720 W
5,514.00	16.62	270.51	5,369.44	33.13	-1,028.42	602,504.46	2,600,581.50	39° 58' 4.007 N	109° 21' 25.060 W
5,605.00	15.12	267.61	5,456.97	32.75	-1,053.29	602,503.48	2,600,556.64	39° 58' 4.003 N	109° 21' 25.379 W
5,695.00	14.42	269.01	5,544.00	32.07	-1,076.22	602,502.25	2,600,533.73	39° 58' 3.997 N	109° 21' 25.674 W
5,786.00	13.81	272.88	5,632.25	32.42	-1,098.40	602,502.07	2,600,511.55	39° 58' 4.000 N	109° 21' 25.958 W
5,877.00	11.78	277.28	5,720.99	34.14	-1,118.46	602,503.31	2,600,491.45	39° 58' 4.017 N	109° 21' 26.216 W
5,967.00	10.11	280.18	5,809.35	36.70	-1,135.35	602,505.46	2,600,474.51	39° 58' 4.042 N	109° 21' 26.433 W
6,058.00	8.62	284.39	5,899.14	39.81	-1,149.82	602,508.22	2,600,459.97	39° 58' 4.073 N	109° 21' 26.619 W
6,148.00	6.95	288.17	5,988.30	43.19	-1,161.53	602,511.31	2,600,448.18	39° 58' 4.106 N	109° 21' 26.769 W
6,239.00	5.80	296.96	6,078.74	46.99	-1,170.86	602,514.89	2,600,438.76	39° 58' 4.144 N	109° 21' 26.889 W
6,329.00	3.43	291.34	6,168.44	50.03	-1,177.42	602,517.77	2,600,432.13	39° 58' 4.174 N	109° 21' 26.973 W
6,420.00	1.06	296.17	6,259.37	51.39	-1,180.71	602,519.06	2,600,428.81	39° 58' 4.187 N	109° 21' 27.016 W
6,510.00	0.53	298.81	6,349.36	51.96	-1,181.82	602,519.60	2,600,427.68	39° 58' 4.193 N	109° 21' 27.030 W
6,601.00	0.18	320.69	6,440.36	52.27	-1,182.28	602,519.90	2,600,427.22	39° 58' 4.196 N	109° 21' 27.036 W
6,691.00	0.09	208.72	6,530.36	52.32	-1,182.41	602,519.94	2,600,427.09	39° 58' 4.197 N	109° 21' 27.037 W
6,782.00	0.26	89.10	6,621.36	52.26	-1,182.24	602,519.89	2,600,427.27	39° 58' 4.196 N	109° 21' 27.035 W
6,873.00	0.26	92.27	6,712.36	52.26	-1,181.82	602,519.89	2,600,427.68	39° 58' 4.196 N	109° 21' 27.030 W
6,963.00	0.26	158.80	6,802.36	52.06	-1,181.54	602,519.70	2,600,427.96	39° 58' 4.194 N	109° 21' 27.026 W
7,054.00	0.62	172.07	6,893.35	51.38	-1,181.40	602,519.02	2,600,428.12	39° 58' 4.187 N	109° 21' 27.025 W
7,144.00	0.18	156.95	6,983.35	50.76	-1,181.28	602,518.41	2,600,428.26	39° 58' 4.181 N	109° 21' 27.023 W
7,235.00	0.53	192.81	7,074.35	50.22	-1,181.32	602,517.87	2,600,428.23	39° 58' 4.176 N	109° 21' 27.023 W
7,326.00	0.70	182.35	7,165.34	49.26	-1,181.43	602,516.90	2,600,428.14	39° 58' 4.166 N	109° 21' 27.025 W
7,416.00	0.44	172.60	7,255.34	48.37	-1,181.41	602,516.01	2,600,428.18	39° 58' 4.158 N	109° 21' 27.025 W
7,507.00	0.44	159.85	7,346.34	47.69	-1,181.25	602,515.34	2,600,428.36	39° 58' 4.151 N	109° 21' 27.023 W
7,597.00	0.62	174.18	7,436.33	46.88	-1,181.08	602,514.54	2,600,428.55	39° 58' 4.143 N	109° 21' 27.020 W
7,688.00	0.44	172.95	7,527.33	46.05	-1,180.98	602,513.70	2,600,428.67	39° 58' 4.135 N	109° 21' 27.019 W
7,778.00	1.06	165.13	7,617.32	44.90	-1,180.73	602,512.56	2,600,428.95	39° 58' 4.123 N	109° 21' 27.016 W
7,869.00	1.06	182.97	7,708.30	43.24	-1,180.56	602,510.91	2,600,429.16	39° 58' 4.107 N	109° 21' 27.014 W
7,959.00	1.23	185.43	7,798.29	41.45	-1,180.69	602,509.12	2,600,429.07	39° 58' 4.089 N	109° 21' 27.015 W
8,050.00	1.41	179.45	7,889.26	39.36	-1,180.77	602,507.02	2,600,429.04	39° 58' 4.069 N	109° 21' 27.016 W
8,140.00	1.32	181.91	7,979.24	37.22	-1,180.80	602,504.88	2,600,429.07	39° 58' 4.047 N	109° 21' 27.017 W
8,231.00	1.58	176.47	8,070.21	34.92	-1,180.75	602,502.58	2,600,429.16	39° 58' 4.025 N	109° 21' 27.016 W
8,322.00	1.58	170.23	8,161.17	32.43	-1,180.46	602,500.10	2,600,429.51	39° 58' 4.000 N	109° 21' 27.013 W
8,412.00	1.67	164.78	8,251.14	29.94	-1,179.91	602,497.63	2,600,430.13	39° 58' 3.975 N	109° 21' 27.005 W
8,503.00	1.58	160.12	8,342.10	27.48	-1,179.13	602,495.19	2,600,430.96	39° 58' 3.951 N	109° 21' 26.995 W
8,582.00	1.85	162.23	8,421.06	25.24	-1,178.37	602,492.97	2,600,431.77	39° 58' 3.929 N	109° 21' 26.986 W
Last SDI Production MWD Survey									
8,640.00	1.85	162.23	8,479.03	23.46	-1,177.80	602,491.20	2,600,432.39	39° 58' 3.911 N	109° 21' 26.978 W
Projection To TD									

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well Bonanza 1023-08D3DS
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Site:	Bonanza 1023-8C Pad	**MD Reference:**	GL 5341' & RKB 14' @ 5355.00ft (Ensign 139)
Well:	Bonanza 1023-08D3DS	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi-User Db

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Bonanza 1023-08D3DS	0.00	0.00	8,480.00	33.43	-1,177.93	602,501.17	2,600,432.02	39° 58' 4.010 N	109° 21' 26.980 W
- actual wellpath misses target center by 10.02ft at 8640.00ft MD (8479.03 TVD, 23.46 N, -1177.80 E)									
- Circle (radius 25.00)									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
172.00	172.00	0.55	-0.84	First Weatherford MWD Survey
1,860.00	1,859.19	1.66	-51.65	Last Weatherford MWD Survey
1,892.00	1,891.17	1.51	-52.59	First SDI Production MWD Survey
8,582.00	8,421.06	25.24	-1,178.37	Last SDI Production MWD Survey
8,640.00	8,479.03	23.46	-1,177.80	Projection To TD

Checked By: _____ Approved By: _____ Date: _____

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: ENSIGN 139/139, CAPSTAR 310/310
Event: DRILLING	Start Date: 3/24/2010	End Date: 6/10/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/5/2010	13:00 - 15:30	2.50	RDMO	01	E	P		RIG DOWN RIG. READY RIG FOR TRUCKS.
	15:30 - 17:30	2.00	MIRU	01	A	P		MOVE RIG OVER 3RD HOLE ON PAD.
	17:30 - 19:00	1.50	MIRU	01	B	P		RIG UP RIG, RAISE DERRICK, RIG UP PUMPS, RIG UP PITS, RIG UP PASON. PRIME PUMP
	19:00 - 21:30	2.50	MIRU	14	A	P		WELD ON RISER AND ROT HEAD. BUILD 45 FOR OVERFLOW LINE.
	21:30 - 0:00	2.50	MIRU	14	A	P		RIG UP BOWIE LINE. (RAINING) EXTENDED BOWIE LINE AND TURNED BOOWIE LINE TOWARD PIT.
4/6/2010	0:00 - 1:30	1.50	MIRU	06	A	P		P/U 1.5 DEGREE BENT HOUSE MOTOR 4 STAGE 7/8 LOBE .16 RPG SN 8039, M/U Q507F SN 7020055 3RD RUN. P/U DC AND INSTALL ROT RUBBER.
	1:30 - 3:30	2.00	DRLSUR	02	B	P		DRILL 49'-187' SPUD 4/6/2010 01:30.
	3:30 - 6:00	2.50	DRLSUR	06	A	P		LD 6" DC'S. SCRIBE MOTOR, PICK UP DIRECTIONAL TOOLS. P/U 2 DRILL COLLARS AND REINSTALL ROT. RUBBER.
	6:00 - 13:00	7.00	DRLSUR	02	D	P		DRILL W/ MWD 187'-1015' (828', 118'/HR) WOB 8-12K, RPM 50, MOT RPM 88, GPM 550, ON/OFF PSI 800/600'. UP/DOWN/ROT 42/31/35. PARTIAL LOSSES @ 1000'
	13:00 - 13:30	0.50	DRLSUR	07	A	P		RIG SERVICE, CHANGE OUT ROT. HEAD RUBBER.
	13:30 - 23:00	9.50	DRLSUR	02	D	P		DRILL W/ MWD 1015'- 1683' (668', 70'/HR) WOB WOB 8-12K, ROT 50, MOT RPM 88, GPM 550, ON/OFF PSI= 850/650. UP/DOWN/ROT 53/42/48 AERATING WATER TO CIRC.
	23:00 - 23:30	0.50	DRLSUR	22	O	X		WATER RAN LOW ON WEST SIDE OF PIT. PUT SUCTION ON OTHER SIDE OF ISLAND. AND PRIME PIT PUMP.
	23:30 - 0:00	0.50	DRLSUR	02	D	P		DRILL FROM 1683'-1732' (49', 98'/HR) WOB WOB 8-12K, ROT 50, MOT RPM 88, GPM 550, ON/OFF PSI= 850/650. UP/DOWN/ROT 53/42/48 AERATING WATER TO CIRC.
4/7/2010	0:00 - 3:00	3.00	DRLSUR	02	D	P		DRILL 1732'- 1909' (177', 59'/HR) TD 4/7/2010 03:00 WOB 8-12K, ROT 50, MOT RPM 88, GPM 550, ON/OFF PSI= 850/650. UP/DOWN/ROT 54/43/50 AERATING WATER TO CIRC.
	3:00 - 5:00	2.00	CSG	05	F	P		CIRC AND CLEAN HOLE W/ AERATED WATER. BUILD VOLUME IN PIT.
	5:00 - 7:30	2.50	CSG	06	D	P		LDDS, LD DIRECTIONAL TOOLS, LD MOTOR AND BIT.
	7:30 - 11:00	3.50	CSG	12	C	P		HOLD SAFETY MEETING, RUN 42 JTS OF 8-5/8" IJ-55 28# CSG W/ 8RD LTC THREADS AND LAND FLOAT SHOE @ 1873' KB . BAFFLE PLATE RAN IN TOP OF SHOE JT LANDED @ 1828' KB. FILL CSG 100, AND 1000'.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: ENSIGN 139/139, CAPSTAR 310/310
Event: DRILLING	Start Date: 3/24/2010	End Date: 6/10/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:00 - 13:30	2.50	CSG	12	E	P		HOLD SAFETY MEETING W/ SUPERIOR WELL SERVICES CEMENTERS. INSTALL CEMENT HEAD ON TOP OF LANDING JT. PRESSURE TEST LINE TO 2000 PSI. PUMP 50 BBLS AHEAD OF H20, PUMP 20 BBLS OF GEL WATER FOR SPACER, PUMP 225 SX (46 BBLS) OF 15.8#, 1.15 YD 5 GAL/SK CLASS G 2% CALC + .25 LB/SKS SUPER FLAKES CEMENT. DISPLACE W/ 113 BBLS OF H20 W/ 60 PSI LIFT @ 2 BBLS A MINUTE. BUMP PLUG 500 PSI. FLOAT HELD. NO CIRC THROUGH OUT JOB. TOP OUT W/ 80 SX (16.2 BBLS) 15.8#, 1.15 YD, 5 GAL/ SK 2% CALC CEMENT. RIG DOWN HEAD.
	13:30 - 14:30	1.00	RDMO	14	A	P		CUT OFF AND HANG RISER AND AND ROT HEAD. INSTALL HANG OFF BAR. LAND CSG AND BREAK OFF LANDING JT. CUT OFF CSG COLLAR AND TACK CAP ON TOP OF CSG. RELEASE RIG 4/7/2010 14:30.
	14:30 - 15:00	0.50	RDMO	12	E	P		PUMP 100 SX OF 4% CALC 15.8# CEMENT, NO CEMENT TO SURFACE. RELEASE CEMENTERS WILL TOP OUT ON NEXT JOB.WAIT TILL NEXT JOB AND TOP OUT W/ 190 SX OF 15.8# 4% CALC. CEMENT. CEMENT TO SURFACE.
6/5/2010	7:30 - 19:00	11.50	DRLPRO	01	C	P		SKID RIG & MOVE UP BACK YARD W. RW JONES TRUCKING & R/U RIG
	19:00 - 21:00	2.00	DRLPRO	14	A	P		NIPPLE UP B.O.P'S & FLARE LINES
	21:00 - 0:00	3.00	DRLPRO	15	A	P		TEST B.O.P'S - PIPE -BLINDS-2" - 4" VALVES - CHOKE MAINFOLD - 250 LOW - 5000 HIGH - ANNULAR 250 LOW - 2500 HIGH - CASING 1500 PSI.
6/6/2010	0:00 - 3:00	3.00	DRLIN1	15	A	P		FINSH TESTING B.O.P'S
	3:00 - 3:30	0.50	DRLIN1	14	B	P		SET WEAR BUSHING
	3:30 - 7:30	4.00	DRLIN1	08	A	P		C/O SAVER SUB NOTICE THE QUILL WAS CRACKED - C/O CRACKED QUILL ON TOP DRIVE (VERTICAL CRACK IN THREADS)
	7:30 - 11:30	4.00	DRLIN1	06	A	P		P/U MOTOR - BIT - DIR TOOLS & T.I.H & TAG CEMENT @ 1769
	11:30 - 12:30	1.00	DRLIN1	02	F	P		DRILL CEMENT & F.E
	12:30 - 0:00	11.50	DRLIN1	02	D	P		DIR DRILL F/ 1914 -3331- 1417' @ 123.2 FPH - WOB 14/18 - RPM 45 - MRPM 159 - DIFF 1600 -1200 - PSI - TORQ 5/2.5 - GPM 550
6/7/2010	0:00 - 13:30	13.50	DRLPRO	02	D	P		DIR DRILL F/ 3331- 5112 - 1781' @ 131.9 FPH - WOB 14/18 - RPM 45 - MRPM 159 - DIFF 1900 - 1600 PSI - TORQ 6/4 - GPM 550
	13:30 - 14:00	0.50	DRLPRO	07	A	P		SER RIG
	14:00 - 0:00	10.00	DRLPRO	02	D	P		DIR DRILL F/ 5112 -6079 - 967' @ 96.7 FPH - WOB 14/18 - RPM 45 - MRPM 159 - DIFF 2100 - 1850 PSI - TORQ 6/4 - GPM 550
6/8/2010	0:00 - 11:00	11.00	DRLPRO	02	D	P		DIR DRILL F/ 6079 - 6818 - 739' @ 67.1 FPH - WOB 14/18 - RPM 45 - MRPM 150 - MUD WT 11.0 VIS 39 - DIFF 2400 - 2150 PSI - TORQ 6/4 - GPM 519
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SER
	11:30 - 0:00	12.50	DRLPRO	02	D	P		DIR DRILL F/ 6818 - 7450 - 632' @ 50.56 FPH - WOB 16/20 - RPM 45 - MRPM 150 - MUD WT 11.5 VIS 39 - LCM 4% - DIFF 2550 - 2255 PSI - TORQ 6/4 - GPM 490
6/9/2010	0:00 - 13:00	13.00	DRLPRO	02	D	P		DIR DRILL F/ 7450 TO 8108,AVG 50,WOB 20,GPM440,PSI 2300/2600,RPM 30/128,STWT 265-180-165
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: ENSIGN 139/139, CAPSTAR 310/310
Event: DRILLING	Start Date: 3/24/2010	End Date: 6/10/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 0:00	10.50	DRLPRO	02	D	P		DIR DRILL F/ 8108 TO TD 8640,AVG 50,WOB 20,GPM440,PSI 2300/2600,RPM 30/128,STWT 265-185-165
6/10/2010	-		RDMO					CONDUCTOR CASING: Cond. Depth set: 49 Cement sx used: SPUD DATE/TIME: 4/6/2010 1:30 SURFACE HOLE: Surface From depth: 49 Surface To depth: 1,909 Total SURFACE hours: 22.00 Surface Casing size: 8 5/8 # of casing joints ran: 42 Casing set MD: 1,873.0 # sx of cement: 405 Cement blend (ppg:) 15.8 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0 Describe cement issues: 2 TOPOUTS,REDI MIX 3.5 YRDS TO SURFACE Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 6/5/2010 7:30 Rig Move/Skid finish date/time: 6/5/2010 21:00 Total MOVE hours: 13.5 Prod Rig Spud date/time: 6/6/2010 11:30 Rig Release date/time: 6/10/2010 23:59 Total SPUD to RR hours: 108.5 Planned depth MD 8,641 Planned depth TVD 8,480 Actual MD: 8,640 Actual TVD: 8,479 Open Wells $: $580,432 AFE $: $657,719 Open wells $/ft: $67.18 PRODUCTION HOLE: Prod. From depth: 1,909 Prod. To depth: 8,640 Total PROD hours: 82 Production Casing size: 4 1/2 # of casing joints ran: 205 Casing set MD: 8,636.0 # sx of cement: 1,300 Cement blend (ppg:) LEAD 12.4 - TAIL 14.3 - 5% Cement yield (ft3/sk): 1.98-1.22 Est. TOC (Lead & Tail) or 2 Stage : 5802 /0 Describe cement issues: 2200 LIFT,5 BBLS BACK Describe hole issues: 15%LCM 12.2 WT DIRECTIONAL INFO: KOP: 1,982 Max angle: 19.61@2979' Departure: 1184'@6691' Max dogleg MD: 3.58@2163'
	0:00 - 1:00	1.00	DRLPRO	05	C	P		CIRC BTMS UP
	1:00 - 3:00	2.00	DRLPRO	06	E	P		SHORTTRIP TO 7310',GOOD
	3:00 - 4:30	1.50	DRLPRO	05	C	P		CIRC BTMS UP TWICE,SHAKE OUT LCM

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: ENSIGN 139/139, CAPSTAR 310/310
Event: DRILLING	Start Date: 3/24/2010	End Date: 6/10/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	4:30 - 11:00	6.50	DRLPRO	06	A	P		POOH F/CSG RUN,WORK TIGHT HOLE 4265 1 HR,POOH
	11:00 - 11:30	0.50	DRLPRO	14	B	P		PULL WEARRING
	11:30 - 19:00	7.50	CSG	12	C	P		RUN 205 JTS 4.5 I-80 BTC TO 8636,,(WASH THRU BRIDGE@8538)
	19:00 - 20:00	1.00	CSG	05	D	P		CIRC BTMS UP F/ CSG
	20:00 - 21:30	1.50	CSG	12	E	P		PUMP 40BBLS SPACER,760 SX LEAD@12.5# 1.98 YLD,540SX TAIL 14.2# 1.22YLD,DISPLACE 133 BBLS CLAYFIX,FINAL LIFT 2200 W/5 BBLS BACK TO RES PIT
	21:30 - 22:00	0.50	RDMO	14	A	P		SET PACK OFF-NDBOP
	22:00 - 0:00	2.00	RDMO	01	E	P		CLEAN PIT RDRT,RIG RELEASE@23:59 6/10/10

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 7/23/2010	End Date: 8/4/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/23/2010	8:00 - 15:00	7.00	COMP	37	B	P		OPEN WELL 0 PSI. RU B&C QUICK TEST. PSI TEST CSG & BOTH FRAC VALVES T/ 7000#. GOOD TEST. BLEED OFF PSI. RD B&C QUICK TEST. PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH PERF F/ 8292'-96', 3 SPF, 12 HOLES. 8400'-04', 4 SPF, 16 HOLES. 8442'-46', 4 SPF, 16 HOLES. 44 TOTAL HOLES. POOH. SWIFWE.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD		Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 7/23/2010		End Date: 8/4/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/26/2010	8:00 - 18:00	10.00	COMP	36	B	P		FRAC STG 1)WHP 1125 PSI, BRK 3929 PSI @ 4.6 BPM. ISIP 2074 PSI, FG .68. PUMP 100 BBLS @ 50.5 BPM @ 5171 PSI = 80% HOLES OPEN. ISIP 2394 PSI, FG .72, NPI 320 PSI. MP 5544 PSI, MR 52.4 BPM, AP 4811 PSI, AR 45 BPM, PMP 1017 BBLS SW & 25,088 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 30,088 LBS. SWI. X-OVER FOR WL. PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8228' P/U PERF F/ 8022'-24', 3 SPF, 6 HOLES. 8054'-56', 3 SPF, 6 HOLES. 8084'-86', 3 SPF, 6 HOLES. 8110'-12', 4 SPF, 8 HOLES. 8194'-98', 4 SPF, 16 HOLES. 42 HOLES. POOH, X-OVER FOR FRAC CREW. FRAC STG 2)WHP 1970 PSI, BRK 2736 PSI @ 4.6 BPM. ISIP 2203 PSI, FG .71. PUMP 100 BBLS @ 46.7 BPM @ 5637 PSI = 83% HOLES OPEN. ISIP 2444 PSI, FG .74, NPI 241 PSI. MP 6373 PSI, MR 51.2 BPM, AP 4938 PSI, AR 45 BPM, PMP 844 BBLS SW & 25,075 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 30,075 LBS, SWI, X-OVER FOR WL. PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 7945' P/U PERF F/ 7778'-80', 3 SPF, 6 HOLES. 7822'-24', 3 SPF, 6 HOLES. 7871'-74', 4 SPF, 12 HOLES. 7902'-04', 4 SPF, 8 HOLES. 7913'-15', 4 SPF, 8 HOLES. 40 HOLES. POOH. X-OVER FOR FRAC CREW. FRAC STG 3)WHP 1930 PSI, BRK 2879 PSI @ 2.2 BPM. ISIP 2162 PSI, FG .71. PUMP 100 BBLS @ 42.2 BPM @ 5587 PSI = 84% HOLES OPEN. ISIP 2710 PSI, FG .78, NPI 548 PSI. MP 6477 PSI, MR 49.7 BPM, AP 5262 PSI, AR 46 BPM, PMP 1426 BBLS SW & 51,480 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 56,480 LBS, SWI, X-OVER FOR WL. PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 7616' P/U PERF F/ 7484'-88', 4 SPF, 16 HOLES. 7548'-52', 4 SPF, 16 HOLES. 7583'-86', 3 SPF, 9 HOLES. 41 HOLES. POOH, SWI FN.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 7/23/2010	End Date: 8/4/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/27/2010	9:00 - 18:00	9.00	COMP	48		P		FRAC STG 4)WHP 1710 PSI, BRK 2926 PSI @ 4.7 BPM. ISIP 1064 PSI, FG .60. PUMP 100 BBLS @ 49.5 BPM @ 3962 PSI = 73% HOLES OPEN. ISIP 1945 PSI, FG .70, NPI 881 PSI. MP 5032 PSI, MR 51.6 BPM, AP 4182 PSI, AR 50.3 BPM, PMP 1555 BBLS SW & 58,793 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 63,793 LBS, SWI, X-OVER FOR WL. PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7430' P/U PERF F/ 7296'-00', 4 SPF, 16 HOLES. 7394'-00', 4 SPF, 24 HOLES. 40 HOLES. POOH. SWI X-OVER FOR FRAC CREW. FRAC STG 5)WHP 770 PSI, BRK 3251 PSI @ 4.7 BPM. ISIP 1538 PSI, FG .65. PUMP 100 BBLS @ 47.2 BPM @ 4518 PSI = 72% HOLES OPEN. ISIP 2109 PSI, FG .73, NPI 571 PSI. MP 5387 PSI, MR 53.2 BPM, AP 4308 PSI, AR 51.1 BPM, PMP 1447 BBLS SW & 51,831 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 56,831 LBS, SWI, X-OVER FOR WL. PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90, 120 & 180 DEG PHASING. RIH SET CBP @ 7258' P/U PERF F/ 7000'-04', 2 SPF, 8 HOLES. 7150'-54', 3 SPF, 12 HOLES. 7222'-28', 4 SPF, 24 HOLES. 44 HOLES. POOH. X-OVER FOR FRAC CREW. FRAC STG 6)WHP 650 PSI, BRK 2328 PSI @ 4.2 BPM. ISIP 971 PSI, FG .57. PUMP 100 BBLS @ 54.9 BPM @ 4922 PSI = 74% HOLES OPEN. ISIP 2233 PSI, FG .75, NPI 1262 PSI. MP 5588 PSI, MR 55.2 BPM, AP 3755 PSI, AR 42.3 BPM, PMP 2399 BBLS SW & 92,738 LBS OF 30/50 SND & 5,000 LBS OF 20/40 SLC SND. TOTAL PROP 97,738 LBS, SWI, X-OVER FOR WL. PU 4 1/2 8K HAL CBP. RIH SET CBP @ 6950'. POOH. SWI. FRAC JOB COMPLETE. TOTAL SAND = 335,005# TOTAL CLFL = 8688 BBLS.
8/3/2010	7:00 - 7:15	0.25	COMP	48		P		JSA= MEASURING PIPE
	7:15 - 15:00	7.75	COMP	30		P		RIG DOWN RIG FROM RED WELL MOVE TO BLUE RU RIG ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP TALLEY & PU PIPE TAG KILL PLUG @ 6950' RU DRILLING HEAD PU PWR SWVL PREP TO DRILL EST CIRC PRESS TEST TO 3000 PSI SWIFN
8/4/2010	7:00 - 7:15	0.25	COMP	48		P		JSA= PRESS CONTROL

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD		Rig Name No: SWABBCO 1/1
Event: COMPLETION	Start Date: 7/23/2010		End Date: 8/4/2010
Active Datum: RKB @5,355.01ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 13:00	5.75	COMP	30		P		EOT @6930' EST CIRC KILL PLUG @ 6950 PLUG #1] DRILL THRU HALLI 8K CBP @ 6950' IN 6 MIN W/ 150# INCREASE PLUG #2] CONTINUE TO RIH TAG SAND @ 7218' (40' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7258' IN 8 MIN W/ 0# INCREASE 100# ON WELL PLUG #3] CONTINUE TO RIH TAG SAND @ 7400' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7430' IN 8 MIN W/ 100# INCREASE PLUG#4] CONTINUE TO RIH TAG SAND @ 7586' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7616' IN 9 MIN W/ 100# INCREASE PLUG#5] CONTINUE TO RIH TAG SAND @ 7915' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7945' IN 7 MIN W/ 150# INCREASE PLUG# 6] CONTINUE TO RIH TAG SAND @ 8200' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8228' IN 11 MIN W/ 150# INCREASE CONTINUE TO RIH TAG SAND @ 8400' (50' FILL) C/O & DRILL TO PBTD @ 8446' CIRC CLEAN, POOH LD 19 JNTS LAND TUB ON HANGER W/ 253 JNTS OF 2-3/8" L-80 EOT @ 8004.43' RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD DROP BALL PUMP OFF BIT @1200 PSI, SIW 30 MIN TO ALLOW BIT TO FALL TURN WELL OVER TO FBC @ 13:00 W/ TOTAL PUMPED= 8688 BBLS RIG REC= 2200 BBLS LEFT TO REC= 6488 BBLS K.B.= 13.00 HNGR= 1.00 253 JNTS 2-3/8" L-80= 7988.23 POBS= 2.20 EOT= 8004.43
8/5/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 1550#, 20/64" CK, 40 BWPH, 1/2 C SAND, - GAS TTL BBLS RECOVERED: 3365 BBLS LEFT TO RECOVER: 5323
	10:40 -		PROD	50				WELL TURNED TO SALES @ 10:40 ON 8/5/2010 - 600 MCFD, 960 BWPD, CP 2500#, FTP 1550#, CK 20/64"
8/6/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2300#, TP 1400#, 20/64" CK, 30 BWPH, 1/8 C SAND, - GAS TTL BBLS RECOVERED: 4150 BBLS LEFT TO RECOVER: 4538
8/7/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2000#, TP 1300#, 20/64" CK, 20 BWPH, TSP SAND, - GAS TTL BBLS RECOVERED: 4675 BBLS LEFT TO RECOVER: 4013
8/8/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2000#, TP 1200#, 20/64" CK, 15 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5120 BBLS LEFT TO RECOVER: 3568

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/4/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead repair/re-completion operations on the subject well location. The operator proposes to re-complete the Wasatch formation. The operator also requests authorization to commingle the newly Wasatch and existing Mesaverde formations. Please refer to the attached wellhead repair/re-completion procedures.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 04/05/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 4/4/2011

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The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047505010000

Authorization: Board Cause No. 179-14.

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Greater Natural Buttes Unit

BONANZA 1023-8D3DS

WELLHEAD CHANGEOUT & RE-COMPLETIONS PROCEDURE

DATE:1/19/2011
AFE#:
WO#: **(**For Wellhead Changeout**)**
USER ID:JVN975 (Frac Invoices Only)

COMPLETIONS ENGINEER: **Michael Sollee, Denver, CO**
(720)-929-6057 (Office)
(832)-859-0515 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

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Name: **Bonanza 1023-8D3DS**
Location: **NENW Sec. 8 10S 23E**
Uintah County, UT
Date: **1/19/2011**

ELEVATIONS: 5341' GL 5354' KB

TOTAL DEPTH: 8640' **PBTD:** 8591'
SURFACE CASING: 8 5/8", 28# IJ-55 LT&C @ 1878'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 BT&C @ 8636'
Marker Joint **4270-4291**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

1226' Green River Top
1486' Bird's Nest Top
1839' Mahogany Top
4281' Wasatch Top — 6477' Wasatch Bottom
6477' Mesaverde Top — 8640' Mesaverde Bottom (TD)

T.O.C. @ **N/A'**

Relevant History:

- Jul 2010 – Initial Completion – 6 slickwater stages in MVD; C/O to PBTD @ 8446'. Land tubing @ 8004'.
- Sept 2010 – Slickline ran. Max TD @ 7949'. Could not get any deeper.
- Oct 2010 – Slickline ran. Max TD @ 7847'. Could not get any deeper.
- Dec 2010 – Slickline ran. Max TD @ 7871'. Could not get any deeper.
- Jan 2011 – Workover. Replaced last 5 jts of tbg. EOT @ 8004.

H2S History: No History

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Perfs:

Legal Well Name	Date	MD Top (ft)	MD Base (ft)	SPF	Stage
BONANZA 1023-8D3DS	7/26/2010	7,000.00	7,004.00	2	6
BONANZA 1023-8D3DS	7/26/2010	7,150.00	7,154.00	3	6
BONANZA 1023-8D3DS	7/26/2010	7,222.00	7,228.00	4	6
BONANZA 1023-8D3DS	7/26/2010	7,296.00	7,300.00	4	5
BONANZA 1023-8D3DS	7/26/2010	7,394.00	7,400.00	4	5
BONANZA 1023-8D3DS	7/26/2010	7,484.00	7,488.00	4	4
BONANZA 1023-8D3DS	7/26/2010	7,548.00	7,552.00	4	4
BONANZA 1023-8D3DS	7/26/2010	7,583.00	7,586.00	3	4
BONANZA 1023-8D3DS	7/26/2010	7,778.00	7,780.00	3	3
BONANZA 1023-8D3DS	7/26/2010	7,822.00	7,824.00	3	3
BONANZA 1023-8D3DS	7/26/2010	7,871.00	7,874.00	4	3
BONANZA 1023-8D3DS	7/26/2010	7,902.00	7,904.00	4	3
BONANZA 1023-8D3DS	7/26/2010	7,913.00	7,915.00	4	3
EOT @ 8004'					
BONANZA 1023-8D3DS	7/26/2010	8,022.00	8,024.00	3	2
BONANZA 1023-8D3DS	7/26/2010	8,054.00	8,056.00	3	2
BONANZA 1023-8D3DS	7/26/2010	8,084.00	8,086.00	3	2
BONANZA 1023-8D3DS	7/26/2010	8,110.00	8,112.00	4	2
BONANZA 1023-8D3DS	7/26/2010	8,194.00	8,198.00	4	2
BONANZA 1023-8D3DS	7/26/2010	8,292.00	8,296.00	3	1
BONANZA 1023-8D3DS	7/26/2010	8,400.00	8,404.00	4	1
BONANZA 1023-8D3DS	7/26/2010	8,442.00	8,446.00	4	1
PBTD @ 8446'					

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Bonanza 1023-8D3DS– WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. Pooh w/ tubing.
5. Rig up wireline service. RIH and set CBP @ ~**6474**'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service.
6. Remove BOP and ND WH.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. POOH, LD cutters and casing.

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3. PU 1 joint of 3 ½" IF drill pipe with 4 ½" right hand standard grapple overshot. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to +/- 7,000 ft-lbs count number of turns to make-up, and document in the daily report. Release overshot, POOH, and lay down.

4. (Following an overshot run, the casing will have to be cut below the place where the overshot was engaged on the outside of the 4-1/2" casing and that piece of casing retrieved. The overshot will scar the outside of the casing, making the casing patch integrity questionable.)

4. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" P-110 casing.

5. Latch fish, PU to 100,000# tension. (Do not exceed a tensile pull of 100,000 lbs during pressure test.) RU B&C. Cycle pressure test to 6200 #.

6. Install C-22 slips. Land casing w/ 80,000# tension.

7. Cut-off and dress 4 ½" casing stub.

8. NUWH. PU 3 7/8" bit and RIH. Clean out to **~6424'.**

9. POOH

10. NU Frac Valves, Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. Test 4-1/2 x 8-5/8" annulus to 200 psi for 15 minutes and check for communication to the production casing. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock OPEN the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

11. RDMO. Turn well over to completions.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. (Following an overshot run, the casing will have to be cut below the place where the overshot was engaged on the outside of the 4-1/2" casing and that piece of

casing retrieved. The overshot will scar the outside of the casing, making the casing patch integrity questionable.)

5. MIRU wireline services. RIH and shoot string shot at casing collar @ ~**56' (1st casing collar below mandrel)**.

6. MIRU casing crew.

7. Back-off casing, POOH.

8. PU new casing joint w/ entry guide and RIH. Tag casing top. Thread into casing and torque up to +/- 7000 ft-lbs, count number of additional turns to make-up, and document in the daily report.

9. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 6200 #

10. Install C-22 slips. Land casing w/ 80,000# tension.

11. Cut-off and dress 4 ½" casing stub.

12. NUWH. PU 3 7/8" bit and RIH. Clean out to **~6424'.**

13. POOH

14. NU Frac Valves, Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. Test 4-1/2 x 8-5/8" annulus to 200 psi for 15 minutes and check for communication to the production casing. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock OPEN the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

15. RDMO. Turn well over to completions.

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Frac Procedure-GENERAL:

- A minimum of **6** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons CHI log dated 7/15/2010
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **Breakdown bottom perfset in each stage, then perforate remainder of the stage.**
- Service companies need to provide surface/production annulus pop-offs to be set for 500 psi for each frac.
- Pump 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8004
- Originally completed on 7/26/2010

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU.

2. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots	
WASATCH	6185	6186	3	3	
WASATCH	6265	6267	3	6	
WASATCH	6342	6344	3	6	
WASATCH	6392	6394	3	6	**Breakdown**

3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6185' and trickle 250gal 15%HCL w/ scale inhibitor in flush . **Breakdown bottom perf, then perf remainder of stage.**

4. Set 8000 psi CBP at ~6,099'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	5766	5767	3	3
WASATCH	5848	5849	3	3

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WASATCH	5926	5928	3	6	
WASATCH	5960	5962	3	6	
WASATCH	5998	5999	3	3	**Breakdown**

5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5766' and trickle 250gal 15%HCL w/ scale inhibitor in flush. **Breakdown bottom perf, then perf remainder of stage.**

6. Set 8000 psi CBP at ~5,714'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots	
WASATCH	5381	5383	3	6	
WASATCH	5506	5508	3	6	
WASATCH	5575	5577	3	6	
WASATCH	5613	5614	3	3	**Breakdown**

7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5381' flush only with recycled water. **Breakdown bottom perf, then perf remainder of stage.**

8. Set 8000 psi CBP at~5,331'.

9. ND Frac Valves, NU and Test BOPs.

10. TIH with 3 7/8" bit, pump off sub, SN and tubing.

11. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±**8003**' unless indicated otherwise by the well's behavior. The well will be commingled at this time.

12. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

13. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

For design questions, please call
Michael Sollee, Denver, CO
(720)-929-6057 (Office)
(832)-859-0515 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781 7046 (Office)

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NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Breakdown bottom perfset in each stage, then perforate remainder of the stage.

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Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

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Key Contact information

Completion Engineer

Michael Sollee: 832-859-0515, 720-929-6057

Production Engineer

Kyle Bohannon: 804-512-1985, 435-781-7068

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

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Name Bonanza 1023-8D3DS
Perforation and CBP Summary

Stage	Zones	Perforations Top, ft	Perforations Bottom, ft	SPF	Holes		Fracture Coverage		
1	WASATCH	6185	6186	3	3		6179	to	6191.5
	WASATCH	6265	6267	3	6		6255	to	6274
	WASATCH	6342	6344	3	6		6336.5	to	6371.5
	WASATCH	6392	6394	3	6		6389	to	6403.5
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				21		CBP DEPTH	6,099	
2	WASATCH	5766	5767	3	3		5759.5	to	5776
	WASATCH	5848	5849	3	3		5840.5	to	5843
	WASATCH	5926	5928	3	6		5844	to	5849.5
	WASATCH	5960	5962	3	6		5916.5	to	5943.5
	WASATCH	5998	5999	3	3		5945.5	to	5991.5
	WASATCH						5993	to	5999.5
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				21		CBP DEPTH	5,714	
3	WASATCH	5381	5383	3	6		5376	to	5397
	WASATCH	5506	5508	3	6		5487	to	5513.5
	WASATCH	5575	5577	3	6		5568	to	5578.5
	WASATCH	5613	5614	3	3		5610.5	to	5619.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				21		CBP DEPTH	5,331	
	Totals				63				

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Fracturing Schedules
Name Bonanza 1023-8D3D
Slickwater Frac
Copy to new book

Recomplete? Y
Pad? Y
ACTS? N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	6185	6186	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6265	6267	3	6	0	ISIP and 5 min ISIP													39
	WASATCH	6342	6344	3	6	50	Slickwater Pad			Slickwater	5,918	5,918	141	141	25.0%	0.0%	0	0		18
	WASATCH	6392	6394	3	6	50	Slickwater Ramp	0.25	1	Slickwater	11,835	17,753	282	423	50.0%	45.5%	7,397	7,397		36
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	5,918	23,670	141	564	25.0%	54.5%	8,876	16,273		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,038	27,708	96	660				16,273		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	16,273		0
	WASATCH											27,708	96	660						39
	WASATCH																			132
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		23,670								
			# of Perfs/stage		Look 21								Flush depth		6185	gal/md-ft	CBP depth	50,000	34,375	lbs sand/md-ft 6,099	86	
						13.2	<< Above pump time (min)														
2	WASATCH	5766	5767	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5848	5849	3	3	0	ISIP and 5 min ISIP													17
	WASATCH	5926	5928	3	6	50	Slickwater Pad			Slickwater	5,688	5,688	135	135	25.0%	0.0%	0	0		34
	WASATCH	5960	5962	3	6	50	Slickwater Ramp	0.25	1	Slickwater	11,375	17,063	271	406	50.0%	45.5%	7,109	7,109		0
	WASATCH	5998	5999	3	3	50	Slickwater Ramp	1	2	Slickwater	5,688	22,750	135	542	25.0%	54.5%	8,531	15,641		0
	WASATCH					50	Flush (4-1/2)			Slickwater	3,764	26,514	90	631				15,641		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	15,641		0
	WASATCH											26,514	90	631						37
	WASATCH																			88
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		22,750								
			# of Perfs/stage		Look 21								Flush depth		5766	gal/md-ft	CBP depth	140,000	96,250	lbs sand/md-ft 5,714	52	
						12.6	<< Above pump time (min)														
3	WASATCH	5381	5383	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5506	5508	3	6	0	ISIP and 5 min ISIP													22
	WASATCH	5575	5577	3	6	50	Slickwater Pad			Slickwater	7,371	7,371	176	176	25.0%	0.0%	0	0		44
	WASATCH	5613	5614	3	3	50	Slickwater Ramp	0.25	1	Slickwater	14,742	22,113	351	527	50.0%	45.5%	9,214	9,214		0
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	7,371	29,484	176	702	25.0%	54.5%	11,057	20,270		0
	WASATCH					50	Flush (4-1/2)			Slickwater	3,513	32,997	84	786				20,270		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	20,270		0
	WASATCH											32,997	84	786						0
	WASATCH																			66
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		29,484								
			# of Perfs/stage		Look 21								Flush depth		5381	gal/md-ft	CBP depth	38,000	26,125	lbs sand/md-ft 5,331	50	
						15.7	<< Above pump time (min)														
	Totals				63						Total Fluid	87,219	gals	2,077	bbls		Total Sand		52,184		
												2,077	bbls								
						0.7								4.6	tanks				Total Scale Inhib. =		286

Total Stages	3	stages
Last Stage Flush	3513	gals

Friction Reducer	42	gals @	0.5	GPT
Surfactant	84	gals @	1.0	GPT
Clay Stabilizer	84	gals @	1.0	GPT
15% Hcl	750	gals @	250	gal/stg
Iron Control for acid	4	gals @	5.0	GPT of aci
Surfactant for acid	1	gals @	1.0	GPT of aci
Corrosion Inhibitor for acid	2	gals @	2.0	GPT of aci

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	286	gals pumped per schedule above	
Biocide	42	gals @	0.5 GPT

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MD	TVD	INC
5	5	0
172	172	0.69
268	267.99	0.63
364	363.97	1.75
459	458.92	1.95
554	553.87	1.56
650	649.83	2.06
745	744.77	1.94
841	840.72	1.75
937	936.67	1.75
1032	1031.63	1.88
1128	1127.58	1.69
1223	1222.53	1.94
1319	1318.48	1.94
1415	1414.42	1.94
1511	1510.37	1.88
1606	1605.32	1.94
1702	1701.26	1.81
1797	1796.22	1.81
1860	1859.19	1.75
1892	1891.17	1.67
1982	1981.12	2.2
2073	2071.98	4.04
2163	2161.55	7.12
2254	2251.59	9.5
2345	2340.96	12.13
2435	2428.63	13.98
2526	2516.52	16.09
2616	2602.76	17.15
2707	2689.48	18.11
2798	2775.77	18.91
2888	2860.76	19.52
2979	2946.51	19.61
3069	3031.72	17.94
3160	3118.34	17.76
3250	3203.96	18.11
3341	3290.63	17.41
3431	3376.46	17.59
3522	3463.39	16.8
3613	3550.73	15.83
3703	3637.36	15.65
3794	3724.61	17.32
3885	3811.41	17.67
3975	3897.29	17.15
4066	3983.97	18.29
4156	4069.8	16.71
4247	4157.12	16
4337	4243.26	17.67

MD	TVD	INC
4428	4329.79	18.38
4518	4415.48	17.23
4609	4502.38	17.32
4700	4589.54	16.09
4790	4675.91	16.53
4881	4763.29	15.92
4971	4849.63	16.88
5062	4936.85	16.27
5152	5023.21	16.44
5243	5110.39	16.88
5333	5196.49	16.97
5424	5283.4	17.5
5514	5369.44	16.62
5605	5456.97	15.12
5695	5544	14.42
5786	5632.25	13.81
5877	5720.99	11.78
5967	5809.35	10.11
6058	5899.14	8.62
6148	5988.3	6.95
6239	6078.74	5.8
6329	6168.44	3.43
6420	6259.37	1.06
6510	6349.36	0.53
6601	6440.36	0.18
6691	6530.36	0.09
6782	6621.36	0.26
6873	6712.36	0.26
6963	6802.36	0.26
7054	6893.35	0.62
7144	6983.35	0.18
7235	7074.35	0.53
7326	7165.34	0.7
7416	7255.34	0.44
7507	7346.34	0.44
7597	7436.33	0.62
7688	7527.33	0.44
7778	7617.32	1.06
7869	7708.3	1.06
7959	7798.29	1.23
8050	7889.26	1.41
8140	7979.24	1.32
8231	8070.21	1.58
8322	8161.17	1.58
8412	8251.14	1.67
8503	8342.1	1.58
8582	8421.06	1.85
8640	8479.03	1.85

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Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

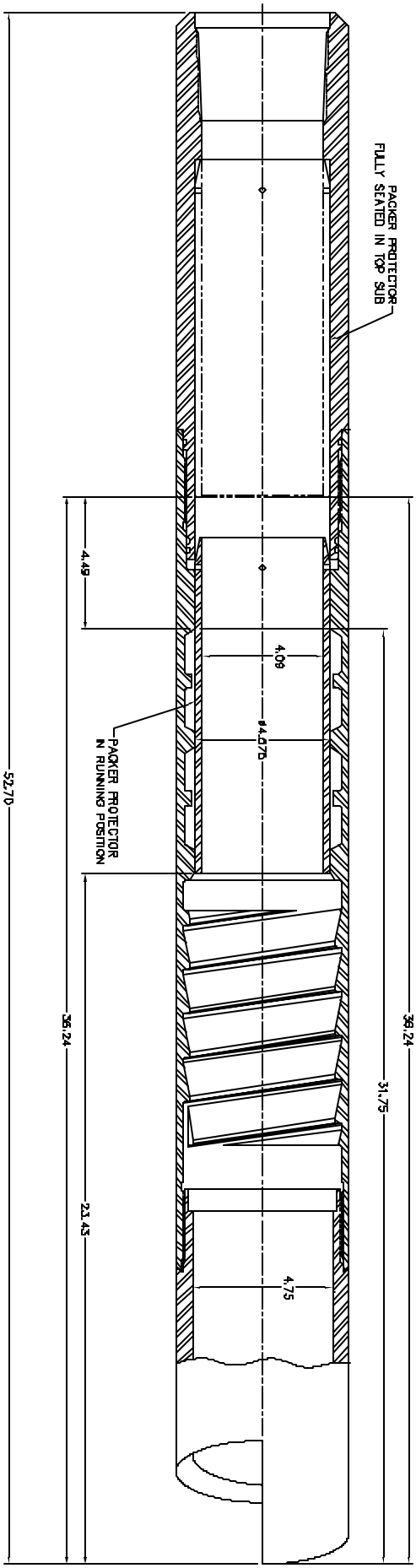
6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

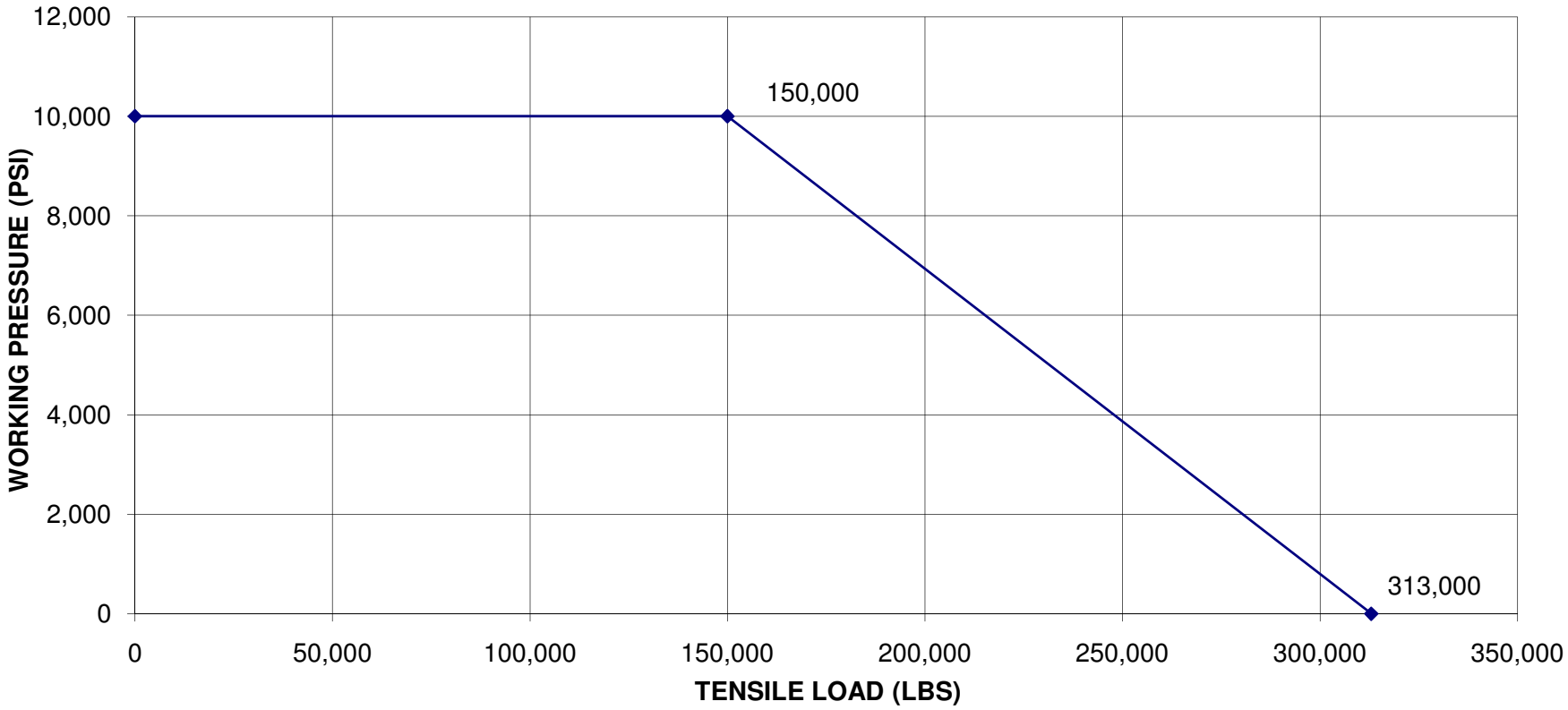
RECEIVED Apr. 04, 2011



510L-005-001 4-1/2" LOGAN HP CASING PATCH

RECEIVED Apr. 04, 2011

STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

RECEIVED Apr. 04, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/20/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS CONCLUDED WELLHEAD/CASING REPAIRS ON THE SUBJECT WELL LOCATION. PLEASE SEE THE ATTACHED CHRONOLOGICAL HISTORY FOR DETAILS OF THE OPERATIONS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/20/2011

RECEIVED Jun. 20, 2011

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010	
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD		Rig Name No:
Event: WELL WORK EXPENSE	Start Date: 6/9/2011		End Date:
Active Datum: RKB @5,355.00ft (above Mean Sea Leve	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/9/2011	14:00 - 14:30	0.50	ALL	48		P		HSM, REVIEW RIGGING UP
	14:30 - 15:30	1.00	ALL	30	A	P		SPOT RIG & MIRU.
	15:30 - 17:00	1.50	ALL	31	I	P		FCP. 71 PSI. FTP. 71 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER, WELL ON SALES, SDEN.
6/10/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW PINCH POINTS ON SCANNING TBG.
	7:30 - 12:30	5.00	ALL	45	A	P		FCP. 125 PSI. SITP. 440 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, RU SCAN TECH, POOH & LD 2-3/8 L-80 TBG ON TRAILER, INSPECTED 252 JTS. FOUND 35 JTS. WALL LOSS, RD SCAN TECH.
	12:30 - 13:30	1.00	ALL	34	I	P		RU CUTTERS WIRELINE SERVICES, RIH & SET CBP @ 6474', POOH TOOLS.
	13:30 - 15:00	1.50	ALL	34	D	P		RU & RIH CMT BAILER & DUMP 4 SX CLASS "G" CMT ON TOP OF PLUG, (MADE 2 RUNS) POOH TOOLS, RD CUTTERS WIRELINE SERVICES, SWI, SDFWE.
6/13/2011	7:00 - 7:15	0.25		48		P		HSM, REVIEW BACK-OFF PROCEDURE
	7:15 - 7:30	0.25		47	A	P		RD FLOOR, ND BOPS, W/ CSG BOWL, RU FLOOR, NU PWR SWVL.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS BLUE	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No:
Event: WELL WORK EXPENSE	Start Date: 6/9/2011	End Date:
Active Datum: RKB @5,355.00ft (above Mean Sea Leve	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:30 - 9:30	2.00		35	G	P		PU INTERNAL CUTTER & RIH CUT 4 1/2" CSG 3' F/ SURFACE, POOH LD INTERNAL CUTTER & MANDREL, PU 4 1/2" OVERSHOT, RIH & LATCH ON FISH, MIRU CSG CREW & CUTTERS W/L SERVICES, RIH STRING SHOT COLLAR (2 SHOTS) BACK-OFF 4 1/2" CSG, PICK UP NEW PUP JNT, TAG CSG TOP, THREAD INTO CSG & TORQUE TO 7000 # W/ 17 ROTATIONS, PU 4-1/2 CSG TO 100,000# TENSION
	9:30 - 10:30	1.00		33	C	P		RU B&C QUICK TEST, P/T. 4 1/2 CSG TO 1000 PSI. FOR 15 MINS, LOST 12 PSI IN 15 MINS, PT. 4 1/2" TO 3500 PSI. FOR 30 MINS, LOST 31 PSI. IN 30 MINS. RD, B&C QUICK TEST.
	10:30 - 11:45	1.25		47	A	P		INSTALL C-21 SLIPS, LAND CSG W/ TENSION, CUT-OFF & DRESS 4 1/2 CSG STUB
	11:45 - 12:30	0.75		47	A	P		NU WH W/ CSG BOWL, RDMO TO BONANZA 1023-8 D2DS

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU 37355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: BONANZA 1023-8D3DS

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047505010000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1110 FNL 1723 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 08 Township: 10.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 7/6/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE WASATCH FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH FORMATION WITH THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 07/06/2011 AT 5:00 PM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/19/2011

RECEIVED Jul. 19, 2011

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU37355

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP — Contact: GINA T. BECKER — E-Mail: gina.becker@anadarko.com

8. Lease Name and Well No. BONANZA 1023-8D3DS

3. Address POBOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6086

9. API Well No. 43-047-50501

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NENW 1110FNL 1723FWL 39.967690 N Lat, 109.353290 W Lon

At top prod interval reported below NWNW 1058FNL 542FWL

At total depth NWNW 1087FNL 545FWL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 8 T10S R23E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, KB, RT, GL)*
03/15/2010	06/09/2010	☐ D & A ☒ Ready to Prod. 07/06/2011	5341 GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 8640 TVD 8479	MD 8592 TVD 8431	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CHI-GR/CCL-RAW-RCBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
11.000	8.625 IJ-55	28.0		1878		555			
7.875	4.500 I-80	11.6		8636		1300			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7997							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	5381	6394	5381 TO 6394	0.360	63	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5381 TO 6394	PUMP 2,250 BBLS SLICK H20 & 52,048 LBS SAND

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AUG 09 2011
DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/06/2011	07/08/2011	24	→	0.0	1186.0	195.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	500	700.0	→	0	1186	195		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #114608 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1226				
BIRD'S NEST	1486				
MAHOGANY	1839				
WASATCH	4281	6477			
MESAVERDE	6477	8640			

32. Additional remarks (include plugging procedure):
Attached is the chronological recompletion history and perforation report.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #114608 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* GINA T. BECKER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/05/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

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US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS [YELLOW]	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 6/22/2011	End Date: 7/6/2011
Active Datum: RKB @5,355.00ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/23/2011	12:00 - 16:00	4.00	COMP	47	B	P		HSM, MIRU B&C PRESSURE TEST FRAC VALVES & CSG, 1000# W/ 13# LOSS IN 15 MIN. 3500# W/ 25# LOSS IN 15 MIN. 6200# W/ 44# LOSS IN 30 MIN. [GOOD TEST] MIRU CASED HOLE SOLUTIONS 1ST SHOOT WASATCH AS PERSAY IN PROCEDURE, W/ 3-1/8 EXPEND, 23 GRM, 0.36" HOLE.
	6:45 - 7:00	0.25	COMP	48		P		HSM.
	7:00 - 16:00	9.00	COMP	36	E	P		FRAC STG #1] WHP=120#, BRK DN PERFS=1,994#, @=4.3 BPM, INJ RT=43.3, INJ PSI=4,586#, ISIP=665#, FG=.54, PUMP'D 783 BBLS SLK WTR W/ 13,006# 30/50 MESH W/ 3,342# RESIN COAT IN TAIL W/ 16,348# TOTAL PROP PUMP'D, ISIP=2,072#, FG=.77, AR=46, AP=4,796#, MR=49.5, MP=5,232#, NPI=1,417#, 14/21 CALC PERFS OPEN 65%. X OVER TO WIRE LINE PERF STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=6,029', PERF WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW FRAC STG #2] WHP=440#, BRK DN PERFS=2,500#, @=4.3, BPM, INJ RT=31.8, INJ PSI=4,900#, ISIP=1,400#, FG=.68, PUMP'D 643 BBLS SLK WTR W/ 13,189# 30/50 MESH W/ 2,445# RESIN COAT IN TAIL W/ 15,634# TOTAL PROP PUMP'D, ISIP=1,521#, FG=.70, AR=41.4, AP=4,774#, MR=49.9, MP=5,258#, NPI=121#, 17/21 CALC PERFS OPEN 61%. X OVER TO WIRE LINE PERF STG #3] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=5,644', PERF WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW FRAC STG #3] WHP=860#, BRK DN PERFS=2,857#, @=4.4 BPM, INJ RT=45.5, INJ PSI=4,440#, ISIP=1,290#, FG=.67, PUMP'D 824 BBLS SLK WTR W/ 17,985# 30/50 MESH W/ 2,081# RESIN COAT IN TAIL W/ 20,066# TOTAL PROP PUMP'D, ISIP=1,569#, FG=.72, AR=49.6, AP=4,581#, MR=52.3, MP=5,435#, NPI=279#, 16/21 CALC PERFS OPEN 78%. X OVER TO WIRE LINE P/U RIH SET HALIBURTON 8K CBP FOR TOP KILL @=5,351' 2,250 TOTAL BBLS 52,048# TOTAL SAND 300 GALS SCALE INHIB 44 GALS BIOCIDE
6/24/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, RIGGINGUP & PU TBG.

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS [YELLOW]	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 6/22/2011	End Date: 7/6/2011
Active Datum: RKB @5,355.00ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 16:30	9.25	COMP	31	I	P		ALL SURFACE CSG VALVES OPEN W/ LOCKS, MIRU, TRY TO FIND ANCHORS FOUND ENOUGH TO RU, CALLED BLUE STAKES, HAVING MORE ANCHORS SET MONDAY, ND WH, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, TALLY & PU TBG TO 5,287', RU POWER SWIVEL, FILL TBG BREAK CIRC, PRESS TEST BOP TO 3,000 PSI FOR 15 MIN, LOST 0 PSI, SWI, READY FOR D/O ON MONDAY, SDFWE. CALLED CDC TALKED JUSTIN.
6/27/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, D/O PLUGS, STRIPPING IN HANGER.
	7:15 - 12:30	5.25	COMP	44	C	P		OPEN WELL, ALL SURFACE CSG VALVE'S OPEN & LOCKED, STARTDRLG PLUGS W/ 3 7/8" MILL. C/O 15' SAND, TAG 1ST PLUG @ 5,317' DRL PLUG IN 7 MIN. 350 PSI INCREASE RIH, CSG PRESS 0 PSI. C/O 30' SAND, TAG 2ND PLUG @ 5,646' DRL PLUG IN 11 MIN. 150 PSI INCREASE RIH, CSG PRESS 25 PSI. C/O 30' SAND, TAG 3RD PLUG @ 6,030' DRL PLUG IN 15 MIN. 200 PSI INCREASE RIH, CSG PRESS 25 PSI. ISOLATION CBP & CMT @ 6,476', BTM PERF @ 6,394', RIH TO TAG @ 6,390', C/O FROM 6,390' TO 6,442', 48' PAST BTM PERF W/ 203 JTS 2 3/8" L-80 TBG, LD 9 JTS, PU & STRIP IN TBG HANGER & LAND TBG W/ 194 JTS 2 3/8" L-80, EOT 6,158.44'. RD POWER SWIVEL, FLOOR & TBG EQUIP, ND BOPS, NU WH, MIRU DELSCO RIH PULL SLEEVE, RIH W/ PLUG & SET IN SLIDING SLEEVE SUB, MILL ON BTM FOR D/O OF ISOLATION CBP & CMT. TURN OVER TO FLOW BACK CREW, RD & MOVE TO NEXT WELL ON PAD. KB= 13' 7 1/16" WEATHERFORD HANGER= .83' 194 JTS 2 3/8" L-80 = 6,141.71' SLIDING SLEEVE SUB & MILL= 2.90' EOT @ 6,158.44' TWTR= 2,250 BBLS TWR= 200 BBLS TWLTR= 2,050 BBLS CALLED CDC TALKED TO DERRICK
6/28/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 40#, TP 0#, OPEN/64" CK, 0 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 229 BBLS LEFT TO RECOVER: 2021
7/5/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, POOH W/ SWAB TOOLS & SAND LINE

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-8D3DS [YELLOW]	Spud Conductor: 3/15/2010	Spud Date: 4/6/2010
Project: UTAH-UINTAH	Site: BONANZA 1023-8C PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 6/22/2011	End Date: 7/6/2011
Active Datum: RKB @5,355.00ft (above Mean Sea Level)	UWI: NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	31	I	P		MIRU, SICP 1,100 PSI BLOW CSG DOWN & CONTROL WELL W/ TMAC, ND WH, NU BOP, RU FLOOR & TBG EQUIP, POOH TO RETRIEVE SWAB TOOLS & 1,170' OF SAND LINE, L/D BTM 2 JTS TOOLS STUCK IN BTM JT, WELL STARTED UNLOADING, PU 3 7/8" MILL & POBS, RIH TO 6,350' TAGGED SAND, RU POWER SWIVEL, SWI, SDFN.
7/6/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, SLIPS, TRIPS & FALLS, DRLG W/ AIR FOAM.
	7:15 - 14:00	6.75	COMP	44	C	P		SICP 300 PSI, MIRU TECH FOAM, INSTALL PUMP THRU PLUG, BREAK CIRC W/ AIR FOAM, C/O SAND & CMT FROM 6,350' TO 6,474', D/O PLUG @ 6,474', PRESS INCREASE 100 PSI, KILL AIR FOAM W/ 20 BBLS TMAC, SET POWER SWIVEL BACK, POOH 4 STDS REMOVE PUMP THRU PLUG, RIH TO 8,535' W/ 269 JTS TBG, NO TAG, 89' PAST BTM PERF, L/D 17 JTS, PU & STRIP IN TBG HANGER & LAND TBG W/ 252 JTS 2 3/8" L-80, EOT 7,997.30'. RD POWER SWIVEL, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL TO PUMP OFF BIT W/ AIR FOAM UNIT & RIG PUMP W/ 2,600 PSI. TURN OVER TO FLOW BACK CREW, RD & MOVE TO NEXT WELL ON PAD. KB= 13' 7 1/16" WEATHERFORD HANGER= .83' 252 JTS 2 3/8" L-80 = 7,981.27' TBG DELIVERED 314 JTS POBS= 2.20' TBG USED 27 JTS EOT @ 7,997.30' TBG TO NEXT WELL 287 JTS CALLED CDC TALKED TO JUNIOR
7/7/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 850#, TP 600#, 28/64" CK, 8 BWPH, LIGHT SAND, 1.2 GAS TTL BBLS RECOVERED: 521 BBLS LEFT TO RECOVER: 1500
7/8/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 750#, TP 525#, 28/64" CK, 5 BWPH, LIGHT SAND, 1 GAS TTL BBLS RECOVERED: 724 BBLS LEFT TO RECOVER: 1297
7/9/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 700#, TP 450#, 28/64" CK, 4 BWPH, LIGHT SAND, 900TH GAS TTL BBLS RECOVERED: 864 BBLS LEFT TO RECOVER: 1157

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	BONANZA 1023-8D3DS [YELLOW]		
Common Name	BONANZA 1023-8D3DS		
Well Name	BONANZA 1023-8D3DS	**Wellbore No.**	OH
Report No.	1	**Report Date**	6/22/2011
Project	UTAH-UINTAH	**Site**	BONANZA 1023-8C PAD
Rig Name/No.		**Event**	RECOMPL/RESEREVEADD
Start Date	6/22/2011	**End Date**	7/6/2011
Spud Date	4/6/2010	**Active Datum**	RKB @5,355.00ft (above Mean Sea Level)
UWI	NE/NW/0/10/S/23/E/8/0/0/6/PM/N/1,110.00/W/0/1,723.00/0/0		

1.3 General

Contractor		**Job Method**	PERFORATE	**Supervisor**	
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**	WIRELINE		

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,381.0 (ft)-6,394.0 (ft)	**Start Date/Time**	6/23/2011 12:00AM
No. of Intervals	13	**End Date/Time**	6/23/2011 12:00AM
Total Shots	63	**Net Perforation Interval**	21.00 (ft)
Avg Shot Density	3.00 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

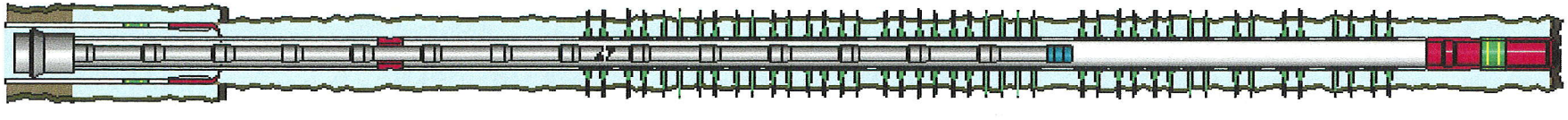
Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,381.0	5,383.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,506.0	5,508.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,575.0	5,577.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,613.0	5,614.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,766.0	5,767.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,848.0	5,849.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,926.0	5,928.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,960.0	5,962.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			5,998.0	5,999.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,185.0	6,186.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,265.0	6,267.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,342.0	6,344.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,392.0	6,394.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999	18519				5/1/2012	

Comments: Please see attachment with list of Wells in the Ponderosa Unit. 5/30/2012
lwsmvd

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
MAY 21 2012
Div. of Oil, Gas & Mining

Cara Mahler
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/21/2012
Date

(5/2000)

well_name	sec	twp	rng	api	entity		lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717		1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742		1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755		1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994		1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953		1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157		1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827		1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472		1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458		1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526		1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524		1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684		1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403		1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872		1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733		1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873		1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901		1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735		1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871		1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750		1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085		3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084		3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068		3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291		3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290		3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730		3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004		3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783		3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970		3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887		3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833		3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386		3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033		3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013		3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427		3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446		3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445		3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841		1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155		1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252		1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930		1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111		1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446		1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352		1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351		1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442		1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395		1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356		1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297		1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729		1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700		1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699		1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922		1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824		1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793		1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825		1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055		1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795		1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060		1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323		1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460		1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507		1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796		1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951		1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170		1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233		1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221		1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425		1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775		1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672		1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673		1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620		1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576		1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794		1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798		1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020		1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291		1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793		1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294		1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316		1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244		1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943		1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054		1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171		1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296		1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921		1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923		1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715		1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714		1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870		1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765		1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796		1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713		1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016		1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869		1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495		1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941		1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919		1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851		1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843	1	GW	P	NWNW		1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932	1	GW	P	NENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876	1	GW	P	NWSW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104	1	GW	P	SESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877	1	GW	S	SENW		1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358	1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354	1	GW	P	NESW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564	1	GW	P	SWSW		1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903	1	GW	P	SWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397	1	GW	P	SWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353	1	GW	P	SENE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392	1	GW	P	SWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521	1	GW	P	NENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512	1	GW	P	NWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510	1	GW	P	NWSE		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168	1	GW	P	NWNE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226	1	GW	P	SENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157	1	GW	P	NESE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201	1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197		1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215		1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253		1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468		1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767		1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685		1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852		1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892		1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931		1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766		1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398		1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989		1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967		1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782		1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164		1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501		1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015		1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ✯	11	100S	230E	4304734773	13768		1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132		1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764		1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797		1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711		1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826		1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736		1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839		1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646		1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687		1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987		1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480		1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500		1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799		1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623		1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406		1	GW	P	NENW		1	MVRD	P	U-38428	N2995

✯ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688	1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988	1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492	1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491	1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495	3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987	3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165	1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585	1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946	1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410	1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395	1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668	1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625	1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624	1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645	1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734	1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135	1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496	1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115	1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565		GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319		GW		NENW	D				UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317		GW	P	NENW	D		WSMVD	P	UTU 38419	N2995

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L. P.**

Well Name: **BONANZA 1023-8D3DS**

Api No: **43-047-50501** Lease Type: **FEDERAL**

Section **08** Township **10S** Range **23E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **03/15/2010**

Time **13:00 PM**

How **DRY**

Drilling will Commence:

Reported by **JAMES GOBER**

Telephone # **(435) 828-7024**

Date **03/15/2010** **Signed** **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304750502	BONANZA 1023-8F3DS	NENW	8	10S	23E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	17543	3/15/2010	3/22/10

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 3/15/2010 AT 9:00 HRS. BHL= SENW

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304750499	BONANZA 1023-8C4CS	NENW	8	10S	23E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
A	99999	17544	3/15/2010	3/22/10

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 3/15/2010 AT 11:00 HRS. BHL= NENW

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304750501	BONANZA 1023-8D3DS	NENW	8	10S	23E	UINTAH

Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date
	99999	17545	3/15/2010	3/22/10

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 3/15/2010 AT 13:00 HRS. BHL= NWNW

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

ANDY LYTLE
Name (Please Print)

Signature

REGULATORY ANALYST
Title

3/16/2010
Date

RECEIVED
MAR 16 2010
DIV. OF OIL, GAS & MINING

(5/2000)